



## ARDEX EG 15 Part A

Ardex (Ardex Australia)

Chemwatch: 52-9739  
Version No: 2.1.1.1  
Safety Data Sheet

Chemwatch Hazard Alert Code: 2

Issue Date: 17/08/2015  
Print Date: 13/07/2017  
S.GHS.SGP.EN

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

|                               |                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------|
| Product name                  | ARDEX EG 15 Part A                                                                                         |
| Synonyms                      | Not Available                                                                                              |
| Proper shipping name          | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid) |
| Other means of identification | Not Available                                                                                              |

#### Relevant identified uses of the substance or mixture and uses advised against

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relevant identified uses | <p>The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before starting consider control of exposure by mechanical ventilation.</p> <ul style="list-style-type: none"><li>▶ Material is mixed and used in accordance with manufacturers directions</li><li>▶ Mix only as much as is required</li><li>▶ <b>DO NOT</b> return the mixed material to original containers</li></ul> <p>Applied using a hand trowel or spreader</p> <p>Part A of a three component system. When mixed with Part B (hardener) and Part C (filler) of the ABapoxy System, it provides a system suitable for the fixing, grouting and floor tiles.</p> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Details of the supplier of the safety data sheet

|                         |                                               |                                                  |
|-------------------------|-----------------------------------------------|--------------------------------------------------|
| Registered company name | Ardex (Ardex Australia)                       | Ardex (Ardex NZ)                                 |
| Address                 | 20 Powers Road Seven Hills NSW 2147 Australia | 32 Lane Street Woolston Christchurch New Zealand |
| Telephone               | 1800 224 070                                  | +64 3373 6928                                    |
| Fax                     | 1300 780 102                                  | +64 3384 9779                                    |
| Website                 | Not Available                                 | Not Available                                    |
| Email                   | Not Available                                 | Not Available                                    |

#### Emergency telephone number

|                                   |                                 |               |
|-----------------------------------|---------------------------------|---------------|
| Association / Organisation        | Not Available                   | Not Available |
| Emergency telephone numbers       | 1800 224 070 (Mon-Fri, 9am-5pm) | +64 3373 6900 |
| Other emergency telephone numbers | Not Available                   | Not Available |

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

|                |                                                                                                                                                            |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification | Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Skin Sensitizer Category 1, Carcinogenicity Category 2, Chronic Aquatic Hazard Category 2 |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Label elements

|                     |  |
|---------------------|--|
| Hazard pictogram(s) |  |
|---------------------|--|

#### SIGNAL WORD

**WARNING**

#### Hazard statement(s)

|      |                                |
|------|--------------------------------|
| H315 | Causes skin irritation.        |
| H319 | Causes serious eye irritation. |

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|             |                                                  |
|-------------|--------------------------------------------------|
| <b>H317</b> | May cause an allergic skin reaction.             |
| <b>H351</b> | Suspected of causing cancer.                     |
| <b>H411</b> | Toxic to aquatic life with long lasting effects. |

## Precautionary statement(s) Prevention

|             |                                                                            |
|-------------|----------------------------------------------------------------------------|
| <b>P201</b> | Obtain special instructions before use.                                    |
| <b>P280</b> | Wear protective gloves/protective clothing/eye protection/face protection. |
| <b>P261</b> | Avoid breathing mist/vapours/spray.                                        |
| <b>P273</b> | Avoid release to the environment.                                          |

## Precautionary statement(s) Response

|                       |                                                                                                                                  |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>P308+P313</b>      | IF exposed or concerned: Get medical advice/ attention.                                                                          |
| <b>P302+P352</b>      | IF ON SKIN: Wash with plenty of water and soap.                                                                                  |
| <b>P305+P351+P338</b> | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| <b>P333+P313</b>      | If skin irritation or rash occurs: Get medical advice/attention.                                                                 |

## Precautionary statement(s) Storage

|             |                  |
|-------------|------------------|
| <b>P405</b> | Store locked up. |
|-------------|------------------|

## Precautionary statement(s) Disposal

|             |                                                                     |
|-------------|---------------------------------------------------------------------|
| <b>P501</b> | Dispose of contents/container in accordance with local regulations. |
|-------------|---------------------------------------------------------------------|

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

## Mixtures

| CAS No        | %[weight] | Name                                               |
|---------------|-----------|----------------------------------------------------|
| 25068-38-6    | >60       | <u>bisphenol A/ diglycidyl ether resin, liquid</u> |
| 26761-45-5    | 10-30     | <u>glycidyl neodecanoate</u>                       |
| Not Available | 10-30     | non hazardous ingredients                          |

## SECTION 4 FIRST AID MEASURES

## Description of first aid measures

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>                                                                                                                                                                                                                                                 |
| <b>Inhalation</b>   | <ul style="list-style-type: none"> <li>If fumes, aerosols or combustion products are inhaled remove from contaminated area.</li> <li>Other measures are usually unnecessary.</li> </ul>                                                                                                                                                                                                                                                                                                                                             |
| <b>Ingestion</b>    | <ul style="list-style-type: none"> <li>Immediately give a glass of water.</li> <li>First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.</li> </ul>                                                                                                                                                                                                                                                                                                                                   |

## Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5 FIREFIGHTING MEASURES

## Extinguishing media

- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

## Special hazards arising from the substrate or mixture

|                             |                                                                                                                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Incompatibility</b> | <ul style="list-style-type: none"> <li>Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result</li> </ul> |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Advice for firefighters

|                      |                                                                                                                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fire Fighting</b> | <ul style="list-style-type: none"> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> </ul> |
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|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                              | <ul style="list-style-type: none"> <li>Use water delivered as a fine spray to control fire and cool adjacent area.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Fire/Explosion Hazard</b> | <ul style="list-style-type: none"> <li>Combustible.</li> <li>Slight fire hazard when exposed to heat or flame.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> </ul> <p>Combustion products include:</p> <ul style="list-style-type: none"> <li>carbon dioxide (CO<sub>2</sub>)</li> <li>aldehydes</li> <li>other pyrolysis products typical of burning organic material.</li> </ul> <p><b>Contains low boiling substance:</b> Closed containers may rupture due to pressure buildup under fire conditions.</p> |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

See section 8

## Environmental precautions

See section 12

## Methods and material for containment and cleaning up

|                     |                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor Spills</b> | <p>Environmental hazard - contain spillage.</p> <ul style="list-style-type: none"> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> </ul> |
| <b>Major Spills</b> | <p>Environmental hazard - contain spillage.</p> <p>Moderate hazard.</p> <ul style="list-style-type: none"> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> </ul>                                                                       |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

## Precautions for safe handling

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Safe handling</b>     | <p><b>Contains low boiling substance:</b></p> <p>Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately.</p> <ul style="list-style-type: none"> <li>Check for bulging containers.</li> <li>Vent periodically</li> <li>Always release caps or seals slowly to ensure slow dissipation of vapours</li> <li><b>DO NOT allow clothing wet with material to stay in contact with skin</b></li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> </ul> |
| <b>Other information</b> | <ul style="list-style-type: none"> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>No smoking, naked lights or ignition sources.</li> <li>Store in a cool, dry, well-ventilated area.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Conditions for safe storage, including any incompatibilities

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable container</b>      | <ul style="list-style-type: none"> <li>Metal can or drum</li> <li>Packaging as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> </ul>                                                                                                                                                                                                                                                                                                    |
| <b>Storage incompatibility</b> | <ul style="list-style-type: none"> <li>Avoid strong acids, bases.</li> <li>Avoid cross contamination between the two liquid parts of product (kit).</li> <li>If two part products are mixed or allowed to mix in proportions other than manufacturer's recommendation, polymerisation with gelation and evolution of heat (exotherm) may occur.</li> <li>This excess heat may generate toxic vapour</li> <li>Avoid reaction with amines, mercaptans, strong acids and oxidising agents</li> </ul> |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## Control parameters

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Not Available

## EMERGENCY LIMITS

| Ingredient                                 | Material name                                       | TEEL-1   | TEEL-2    | TEEL-3      |
|--------------------------------------------|-----------------------------------------------------|----------|-----------|-------------|
| bisphenol A diglycidyl ether resin, liquid | Epoxy resin includes EPON 1001, 1007, 820, ERL-2795 | 90 mg/m3 | 990 mg/m3 | 5,900 mg/m3 |

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| Ingredient                                  | Original IDLH | Revised IDLH  |
|---------------------------------------------|---------------|---------------|
| bisphenol A/ diglycidyl ether resin, liquid | Not Available | Not Available |
| glycidyl neodecanoate                       | Not Available | Not Available |
| non hazardous ingredients                   | Not Available | Not Available |

## Exposure controls

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b> | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.</p>                                                                                                                                                                                                                                                                                                   |
| <b>Personal protection</b>              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Eye and face protection</b>          | <ul style="list-style-type: none"> <li>▶ Safety glasses with side shields.</li> <li>▶ Chemical goggles.</li> <li>▶ Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Skin protection</b>                  | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Hands/feet protection</b>            | <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>▶ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>▶ Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li> </ul> <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</p> <p>Personal hygiene is a key element of effective hand care.</p> |
| <b>Body protection</b>                  | See Other protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Other protection</b>                 | <ul style="list-style-type: none"> <li>▶ Overalls.</li> <li>▶ P.V.C. apron.</li> <li>▶ Barrier cream.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Thermal hazards</b>                  | Not Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator  |
|------------------------------------|----------------------|----------------------|-------------------------|
| up to 10 x ES                      | A-AUS P2             | -                    | A-PAPR-AUS / Class 1 P2 |
| up to 50 x ES                      | -                    | A-AUS / Class 1 P2   | -                       |
| up to 100 x ES                     | -                    | A-2 P2               | A-PAPR-2 P2 ^           |

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO<sub>2</sub>), G = Agricultural chemicals, K = Ammonia(NH<sub>3</sub>), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

|                                                     |                                                                                        |                                                |                |
|-----------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------|----------------|
| <b>Appearance</b>                                   | Clear, colourless to pale yellow liquid with a very mild odour; emulsifiable in water. |                                                |                |
| <b>Physical state</b>                               | Liquid                                                                                 | <b>Relative density (Water = 1)</b>            | 1.06 @ 23 C    |
| <b>Odour</b>                                        | Not Available                                                                          | <b>Partition coefficient n-octanol / water</b> | Not Available  |
| <b>Odour threshold</b>                              | Not Available                                                                          | <b>Auto-ignition temperature (°C)</b>          | Not Available  |
| <b>pH (as supplied)</b>                             | Not Applicable                                                                         | <b>Decomposition temperature</b>               | Not Available  |
| <b>Melting point / freezing point (°C)</b>          | Not Available                                                                          | <b>Viscosity (cSt)</b>                         | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available                                                                          | <b>Molecular weight (g/mol)</b>                | Not Applicable |

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|                           |                |                                  |                |
|---------------------------|----------------|----------------------------------|----------------|
| Flash point (°C)          | >100           | Taste                            | Not Available  |
| Evaporation rate          | Not Available  | Explosive properties             | Not Available  |
| Flammability              | Not Applicable | Oxidising properties             | Not Available  |
| Upper Explosive Limit (%) | Not Applicable | Surface Tension (dyn/cm or mN/m) | Not Available  |
| Lower Explosive Limit (%) | Not Applicable | Volatile Component (%vol)        | Not Available  |
| Vapour pressure (kPa)     | Not Available  | Gas group                        | Not Available  |
| Solubility in water (g/L) | Emulsifiable   | pH as a solution (1%)            | Not Applicable |
| Vapour density (Air = 1)  | Not Available  | VOC g/L                          | Not Available  |

## SECTION 10 STABILITY AND REACTIVITY

|                                    |                                                                                                                                                                                                |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                         | See section 7                                                                                                                                                                                  |
| Chemical stability                 | <ul style="list-style-type: none"> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul> |
| Possibility of hazardous reactions | See section 7                                                                                                                                                                                  |
| Conditions to avoid                | See section 7                                                                                                                                                                                  |
| Incompatible materials             | See section 7                                                                                                                                                                                  |
| Hazardous decomposition products   | See section 5                                                                                                                                                                                  |

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhaled      | There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.<br>The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before starting consider control of exposure by mechanical ventilation.                                                                           |
| Ingestion    | The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.                                                                                                                                                                                                                                                                                    |
| Skin Contact | This material can cause inflammation of the skin on contact in some persons.<br>The material may accentuate any pre-existing dermatitis condition<br>Open cuts, abraded or irritated skin should not be exposed to this material<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| Eye          | This material can cause eye irritation and damage in some persons.                                                                                                                                                                                                                                                                                                                                                                                                                |
| Chronic      | There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment.<br>Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.<br>Glycidyl ethers can cause genetic damage and cancer.                                                                                                                                                       |

|                                             |                                                                                              |                            |
|---------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------|
| ARDEX EG 15 Part A                          | TOXICITY                                                                                     | IRRITATION                 |
|                                             | Not Available                                                                                | Not Available              |
| bisphenol A/ diglycidyl ether resin, liquid | TOXICITY                                                                                     | IRRITATION                 |
|                                             | dermal (rat) LD50: >1200 mg/kg <sup>[2]</sup><br>Oral (rat) LD50: >1000 mg/kg <sup>[2]</sup> | Eye (rabbit): 100mg - Mild |
| glycidyl neodecanoate                       | TOXICITY                                                                                     | IRRITATION                 |
|                                             | dermal (rat) LD50: 3800 mg/kg <sup>[2]</sup><br>Oral (rat) LD50: 9600 mg/kg <sup>[2]</sup>   | Not Available              |

**Legend:** 1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BISPHENOL A/<br>DIGLYCIDYL ETHER<br>RESIN, LIQUID | <p>The chemical structure of hydroxylated diphenylalkanes or bisphenols consists of two phenolic rings joined together through a bridging carbon. This class of endocrine disruptors that mimic oestrogens is widely used in industry, particularly in plastics</p> <p>Bisphenol A (BPA) and some related compounds exhibit oestrogenic activity in human breast cancer cell line MCF-7, but there were remarkable differences in activity. Several derivatives of BPA exhibited significant thyroid hormonal activity towards rat pituitary cell line GH3, which releases growth hormone in a thyroid hormone-dependent manner. However, BPA and several other derivatives did not show such activity.</p> <p>The substance is classified by IARC as Group 3:<br/><b>NOT</b> classifiable as to its carcinogenicity to humans.</p> <p>Evidence of carcinogenicity may be inadequate or limited in animal testing.</p> <p>Animal testing over 13 weeks showed bisphenol A diglycidyl ether (BADGE) caused mild to moderate, chronic, inflammation of the skin.</p> <p>Reproductive and Developmental Toxicity: Animal testing showed BADGE given over several months caused reduction in body weight but had no reproductive effects.</p> <p>Cancer-causing potential: It has been concluded that bisphenol A diglycidyl ether cannot be classified with respect to its cancer-causing potential in humans.</p> <p>Genetic toxicity: Laboratory tests on genetic toxicity of BADGE have so far been negative.</p> <p>Foetotoxicity has been observed in animal studies Oral (rabbit, female) NOEL 180 mg/kg (teratogenicity); NOEL (maternal 60 mg/kg</p> |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GLYCIDYL NEODECANOATE                                               | The material has a low order of acute toxicity by the oral, dermal, and inhalation routes of exposure. It is mildly irritating to the eyes and non-irritating to the skin. Dermal sensitisation has been observed in guinea pigs and has been reported in humans following occupational exposure. In vitro genotoxicity testing indicated weak mutagenic activity in point mutation assays with metabolic activation using Salmonella, but not in E. coli or yeast. Acute Toxicity The material has a low order of acute toxicity by the oral, dermal, and inhalation routes of exposure . In rats, the oral LD50 was greater than 10 ml/kg (approximately 10 g/kg) and the dermal LD50 was greater than 4 ml/kg (approximately 4 g/kg). The rat 4-hour inhalation LC50 was greater than 0.24 mg/L (approximately 240 mg/m3), a concentration exceeding the saturated vapor pressure,. Due to the low vapor pressure resulting in a low level of maximal attainable vapor concentration, inhalation exposure is expected to pose a negligible hazard. Repeated Dose Toxicity A low order of toxicity was observed in rats following five-week dietary testing . Treatment-related effects were limited to the upper two dietary dose levels of 5,000 and 10,000 ppm (approximately 478 and 888 mg/kg/day body weight, respectively). Dose-related effects at these two dietary levels included: decreased food intake and body weights, minor changes in hematology and clinical chemistry, increased liver and kidney weights and nephrotoxicity to the proximal tubules of the kidneys that was more pronounced in males than in females. The Lowest Observed Adverse Effect Level (LOAEL) was 5,000 ppm in the diet (approximately 478 mg/kg/day body weight) and the No Observed Adverse Effect Level (NOAEL) was 1,000 ppm in the diet (approximately 96 mg/kg/day body weight). * HPV Chemical Challenge Program 2003 |
| BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID & GLYCIDYL NEODECANOATE | The following information refers to contact allergens as a group and may not be specific to this product. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity                    | ☐ | Carcinogenicity          | ✓ |
| Skin Irritation/Corrosion         | ✓ | Reproductivity           | ☐ |
| Serious Eye Damage/Irritation     | ✓ | STOT - Single Exposure   | ☐ |
| Respiratory or Skin sensitisation | ✓ | STOT - Repeated Exposure | ☐ |
| Mutagenicity                      | ☐ | Aspiration Hazard        | ☐ |

Legend: ✗ – Data available but does not fill the criteria for classification  
✓ – Data available to make classification  
☐ – Data Not Available to make classification

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

|                                             |               |                    |                               |               |               |
|---------------------------------------------|---------------|--------------------|-------------------------------|---------------|---------------|
| ARDEX EG 15 Part A                          | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | Not Available | Not Available      | Not Available                 | Not Available | Not Available |
| bisphenol A/ diglycidyl ether resin, liquid | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 1.2mg/L       | 2             |
|                                             | EC50          | 72                 | Algae or other aquatic plants | 9.4mg/L       | 2             |
|                                             | NOEC          | 72                 | Algae or other aquatic plants | 2.4mg/L       | 2             |
| glycidyl neodecanoate                       | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 4.102mg/L     | 3             |
|                                             | EC50          | 48                 | Crustacea                     | =4.8mg/L      | 1             |
|                                             | EC50          | 96                 | Algae or other aquatic plants | 0.348mg/L     | 3             |
|                                             | NOEC          | 96                 | Algae or other aquatic plants | =1mg/L        | 1             |

Legend: Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.  
Wastes resulting from use of the product must be disposed of on site or at approved waste sites.  
**DO NOT discharge into sewer or waterways.**

Persistence and degradability

|                                             |                         |                  |
|---------------------------------------------|-------------------------|------------------|
| Ingredient                                  | Persistence: Water/Soil | Persistence: Air |
| bisphenol A/ diglycidyl ether resin, liquid | HIGH                    | HIGH             |
| glycidyl neodecanoate                       | HIGH                    | HIGH             |

Bioaccumulative potential

|                                             |                       |
|---------------------------------------------|-----------------------|
| Ingredient                                  | Bioaccumulation       |
| bisphenol A/ diglycidyl ether resin, liquid | LOW (LogKOW = 2.6835) |
| glycidyl neodecanoate                       | LOW (LogKOW = 3.7305) |

Mobility in soil

|            |          |
|------------|----------|
| Ingredient | Mobility |
|------------|----------|

|                                             |                   |
|---------------------------------------------|-------------------|
| bisphenol A/ diglycidyl ether resin, liquid | LOW (KOC = 51.43) |
| glycidyl neodecanoate                       | LOW (KOC = 105.5) |

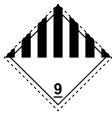
## SECTION 13 DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product / Packaging disposal | <ul style="list-style-type: none"> <li>Containers may still present a chemical hazard/ danger when empty.</li> <li>Return to supplier for reuse/ recycling if possible.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                              | <p>Otherwise:</p> <ul style="list-style-type: none"> <li>If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.</li> <li>Where possible retain label warnings and SDS and observe all notices pertaining to the product.</li> <li><b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Authority for disposal.</li> <li>Bury or incinerate residue at an approved site.</li> <li>Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul> |

## SECTION 14 TRANSPORT INFORMATION

### Labels Required

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
|                  |    |
| Marine Pollutant |  |

### Land transport (UN)

|                              |                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------|
| UN number                    | 3082                                                                                                       |
| UN proper shipping name      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid) |
| Transport hazard class(es)   | Class : 9                                                                                                  |
|                              | Subrisk : Not Applicable                                                                                   |
| Packing group                | III                                                                                                        |
| Environmental hazard         | Not Applicable                                                                                             |
| Special precautions for user | Special provisions : 274; 331; 335; 375                                                                    |
|                              | Limited quantity : 5 L                                                                                     |

### Air transport (ICAO-IATA / DGR)

|                              |                                                                                                              |
|------------------------------|--------------------------------------------------------------------------------------------------------------|
| UN number                    | 3082                                                                                                         |
| UN proper shipping name      | Environmentally hazardous substance, liquid, n.o.s. * (contains bisphenol A/ diglycidyl ether resin, liquid) |
| Transport hazard class(es)   | ICAO/IATA Class : 9                                                                                          |
|                              | ICAO / IATA Subrisk : Not Applicable                                                                         |
|                              | ERG Code : 9L                                                                                                |
| Packing group                | III                                                                                                          |
| Environmental hazard         | Not Applicable                                                                                               |
| Special precautions for user | Special provisions : A97 A158 A197                                                                           |
|                              | Cargo Only Packing Instructions : 964                                                                        |
|                              | Cargo Only Maximum Qty / Pack : 450 L                                                                        |
|                              | Passenger and Cargo Packing Instructions : 964                                                               |
|                              | Passenger and Cargo Maximum Qty / Pack : 450 L                                                               |
|                              | Passenger and Cargo Limited Quantity Packing Instructions : Y964                                             |
|                              | Passenger and Cargo Limited Maximum Qty / Pack : 30 kg G                                                     |

### Sea transport (IMDG-Code / GGVSee)

|           |      |
|-----------|------|
| UN number | 3082 |
|-----------|------|

|                              |                                                                                                            |                |
|------------------------------|------------------------------------------------------------------------------------------------------------|----------------|
| UN proper shipping name      | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains bisphenol A/ diglycidyl ether resin, liquid) |                |
| Transport hazard class(es)   | IMDG Class                                                                                                 | 9              |
|                              | IMDG Subrisk                                                                                               | Not Applicable |
| Packing group                | III                                                                                                        |                |
| Environmental hazard         | Marine Pollutant                                                                                           |                |
| Special precautions for user | EMS Number                                                                                                 | F-A , S-F      |
|                              | Special provisions                                                                                         | 274 335 969    |
|                              | Limited Quantities                                                                                         | 5 L            |

Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

BISPHENOL A/ DIGLYCIDYL ETHER RESIN, LIQUID(25068-38-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

GLYCIDYL NEODECANOATE(26761-45-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Not Applicable

| National Inventory            | Status                                                                                                                                                                                   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia - AICS              | Y                                                                                                                                                                                        |
| Canada - DSL                  | Y                                                                                                                                                                                        |
| Canada - NDSL                 | N (glycidyl neodecanoate; bisphenol A/ diglycidyl ether resin, liquid)                                                                                                                   |
| China - IECSC                 | Y                                                                                                                                                                                        |
| Europe - EINEC / ELINCS / NLP | Y                                                                                                                                                                                        |
| Japan - ENCS                  | N (bisphenol A/ diglycidyl ether resin, liquid)                                                                                                                                          |
| Korea - KECI                  | Y                                                                                                                                                                                        |
| New Zealand - NZIoC           | Y                                                                                                                                                                                        |
| Philippines - PICCS           | Y                                                                                                                                                                                        |
| USA - TSCA                    | Y                                                                                                                                                                                        |
| Legend:                       | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

| Name                                        | CAS No                 |
|---------------------------------------------|------------------------|
| bisphenol A/ diglycidyl ether resin, liquid | 25068-38-6, 25085-99-8 |
| glycidyl neodecanoate                       | 26761-45-5, 71206-09-2 |

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

PC – TWA: Permissible Concentration-Time Weighted Average  
PC – STEL: Permissible Concentration-Short Term Exposure Limit  
IARC: International Agency for Research on Cancer  
ACGIH: American Conference of Governmental Industrial Hygienists  
STEL: Short Term Exposure Limit  
TEEL: Temporary Emergency Exposure Limit,  
IDLH: Immediately Dangerous to Life or Health Concentrations  
OSF: Odour Safety Factor  
NOAEL :No Observed Adverse Effect Level  
LOAEL: Lowest Observed Adverse Effect Level  
TLV: Threshold Limit Value  
LOD: Limit Of Detection  
OTV: Odour Threshold Value  
BCF: BioConcentration Factors  
BEI: Biological Exposure Index

**ARDEX EG 15 Part A**

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TEL (+61 3) 9572 4700.



## ARDEX EG 15 Part B

Ardex (Ardex Australia)

Chemwatch: 52-9740

Version No: 2.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Chemwatch Hazard Alert Code: 3

Issue Date: 17/08/2015

Print Date: 13/07/2017

S.GHS.AUS.EN

### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

#### Product Identifier

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Product name                  | ARDEX EG 15 Part B                                     |
| Synonyms                      | Not Available                                          |
| Proper shipping name          | CORROSIVE LIQUID, N.O.S. (contains isophorone diamine) |
| Other means of identification | Not Available                                          |

#### Relevant identified uses of the substance or mixture and uses advised against

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relevant identified uses | <p>The use of a quantity of material in an unventilated or confined space may result in increased exposure and an irritating atmosphere developing. Before starting consider control of exposure by mechanical ventilation.</p> <ul style="list-style-type: none"><li>▶ Material is mixed and used in accordance with manufacturers directions</li><li>▶ Mix only as much as is required</li><li>▶ <b>DO NOT</b> return the mixed material to original containers</li></ul> <p>Applied using a hand trowel or spreader</p> <p>Part B (hardener) of a three part component system. When mixed with Part A (compound) and Part C (filler) of the ABAPoxy System, it provides a system suitable for the fixing, grouting of wall and floor tiles.</p> |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### Details of the supplier of the safety data sheet

|                         |                                               |                                                  |
|-------------------------|-----------------------------------------------|--------------------------------------------------|
| Registered company name | Ardex (Ardex Australia)                       | Ardex (Ardex NZ)                                 |
| Address                 | 20 Powers Road Seven Hills NSW 2147 Australia | 32 Lane Street Woolston Christchurch New Zealand |
| Telephone               | 1800 224 070                                  | +64 3373 6928                                    |
| Fax                     | 1300 780 102                                  | +64 3384 9779                                    |
| Website                 | Not Available                                 | Not Available                                    |
| Email                   | Not Available                                 | Not Available                                    |

#### Emergency telephone number

|                                   |                                 |               |
|-----------------------------------|---------------------------------|---------------|
| Association / Organisation        | Not Available                   | Not Available |
| Emergency telephone numbers       | 1800 224 070 (Mon-Fri, 9am-5pm) | +64 3373 6900 |
| Other emergency telephone numbers | Not Available                   | Not Available |

### SECTION 2 HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

**HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.**

#### CHEMWATCH HAZARD RATINGS

|              |     |     |  |
|--------------|-----|-----|--|
|              | Min | Max |  |
| Flammability | 1   |     |  |
| Toxicity     | 2   |     |  |
| Body Contact | 3   |     |  |
| Reactivity   | 1   |     |  |
| Chronic      | 2   |     |  |

0 = Minimum  
1 = Low  
2 = Moderate  
3 = High  
4 = Extreme

|                               |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poisons Schedule              | S5                                                                                                                                                                                                                                                                                                                                                                                             |
| Classification <sup>[1]</sup> | Metal Corrosion Category 1, Acute Toxicity (Oral) Category 4, Acute Toxicity (Dermal) Category 4, Acute Toxicity (Inhalation) Category 4, Skin Corrosion/Irritation Category 1B, Serious Eye Damage Category 1, Skin Sensitizer Category 1, Specific target organ toxicity - single exposure Category 3 (narcotic effects), Acute Aquatic Hazard Category 3, Chronic Aquatic Hazard Category 3 |

Continued...

**Legend:** 1. Classified by Chemwatch; 2. Classification drawn from HSIS ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI

### Label elements

|                     |                                                                                   |
|---------------------|-----------------------------------------------------------------------------------|
| Hazard pictogram(s) |  |
|---------------------|-----------------------------------------------------------------------------------|

**SIGNAL WORD** DANGER

### Hazard statement(s)

|      |                                                    |
|------|----------------------------------------------------|
| H290 | May be corrosive to metals.                        |
| H302 | Harmful if swallowed.                              |
| H312 | Harmful in contact with skin.                      |
| H332 | Harmful if inhaled.                                |
| H314 | Causes severe skin burns and eye damage.           |
| H317 | May cause an allergic skin reaction.               |
| H336 | May cause drowsiness or dizziness.                 |
| H412 | Harmful to aquatic life with long lasting effects. |

### Precautionary statement(s) Prevention

|      |                                                                            |
|------|----------------------------------------------------------------------------|
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P271 | Use only outdoors or in a well-ventilated area.                            |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P234 | Keep only in original container.                                           |

### Precautionary statement(s) Response

|                |                                                                                                                                  |
|----------------|----------------------------------------------------------------------------------------------------------------------------------|
| P301+P330+P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.                                                                               |
| P303+P361+P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.                       |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P310           | Immediately call a POISON CENTER or doctor/physician.                                                                            |

### Precautionary statement(s) Storage

|           |                                                                  |
|-----------|------------------------------------------------------------------|
| P405      | Store locked up.                                                 |
| P403+P233 | Store in a well-ventilated place. Keep container tightly closed. |

### Precautionary statement(s) Disposal

|      |                                                                     |
|------|---------------------------------------------------------------------|
| P501 | Dispose of contents/container in accordance with local regulations. |
|------|---------------------------------------------------------------------|

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Substances

See section below for composition of Mixtures

### Mixtures

| CAS No        | %[weight] | Name                                           |
|---------------|-----------|------------------------------------------------|
| Not Available | 30-60     | polyamide resin                                |
| 100-51-6      | 30-60     | <u>benzyl alcohol</u>                          |
| 2855-13-2     | 10-30     | <u>isophorone diamine</u>                      |
| 90-72-2       | <5        | <u>2,4,6-tris[(dimethylamino)methyl]phenol</u> |
| 69-72-7       | <3        | <u>salicylic acid</u>                          |

## SECTION 4 FIRST AID MEASURES

### Description of first aid measures

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Eye Contact</b>  | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>▶ Immediately hold eyelids apart and flush the eye continuously with running water.</li> <li>▶ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>▶ Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.</li> <li>▶ Transport to hospital or doctor without delay.</li> <li>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul> |
| <b>Skin Contact</b> | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> <li>▶ Immediately flush body and clothes with large amounts of water, using safety shower if available.</li> <li>▶ Quickly remove all contaminated clothing, including footwear.</li> <li>▶ Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.</li> </ul>                                                                                                                                                                                                                                                      |

Continued...

## ARDEX EG 15 Part B

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|            | <ul style="list-style-type: none"> <li>Transport to hospital, or doctor.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Inhalation | <ul style="list-style-type: none"> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>                                                                                                                                                                                        |
| Ingestion  | <ul style="list-style-type: none"> <li>For advice, contact a Poisons Information Centre or a doctor at once.</li> <li>Urgent hospital treatment is likely to be needed.</li> <li>If swallowed do <b>NOT</b> induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Transport to hospital or doctor without delay.</li> </ul> |

## Indication of any immediate medical attention and special treatment needed

For acute or short-term repeated exposures to highly alkaline materials:

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
- Oxygen is given as indicated.
- The presence of shock suggests perforation and mandates an intravenous line and fluid administration.
- Damage due to alkaline corrosives occurs by liquefaction necrosis whereby the saponification of fats and solubilisation of proteins allow deep penetration into the tissue.

Alkalis continue to cause damage after exposure.

INGESTION:

- Milk and water are the preferred diluents

No more than 2 glasses of water should be given to an adult.

- Neutralising agents should never be given since exothermic heat reaction may compound injury.

\* Catharsis and emesis are absolutely contra-indicated.

\* Activated charcoal does not absorb alkali.

\* Gastric lavage should not be used.

Supportive care involves the following:

- Withhold oral feedings initially.
- If endoscopy confirms transmucosal injury start steroids only within the first 48 hours.
- Carefully evaluate the amount of tissue necrosis before assessing the need for surgical intervention.
- Patients should be instructed to seek medical attention whenever they develop difficulty in swallowing (dysphagia).

SKIN AND EYE:

- Injury should be irrigated for 20-30 minutes.

Eye injuries require saline. [Ellenhorn & Barceloux: Medical Toxicology]

## SECTION 5 FIREFIGHTING MEASURES

## Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).

## Special hazards arising from the substrate or mixture

|                      |                                                                                                                                        |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Fire Incompatibility | Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|

## Advice for firefighters

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire Fighting         | <ul style="list-style-type: none"> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> <li>Combustible.</li> <li>Slight fire hazard when exposed to heat or flame.</li> <li>Heating may cause expansion or decomposition leading to violent rupture of containers.</li> <li>On combustion, may emit toxic fumes of carbon monoxide (CO).</li> </ul> <p>Combustion products include:</p> <ul style="list-style-type: none"> <li>carbon dioxide (CO<sub>2</sub>)</li> <li>aldehydes</li> <li>nitrogen oxides (NO<sub>x</sub>)</li> <li>other pyrolysis products typical of burning organic material.</li> </ul> <p><b>Contains low boiling substance:</b> Closed containers may rupture due to pressure buildup under fire conditions.</p> <p>May emit corrosive fumes.</p> <p><b>WARNING:</b> Long standing in contact with air and light may result in the formation of potentially explosive peroxides.</p> |
| HAZCHEM               | 2X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## SECTION 6 ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

See section 8

Continued...

## ARDEX EG 15 Part B

## Environmental precautions

See section 12

## Methods and material for containment and cleaning up

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minor Spills | <ul style="list-style-type: none"> <li>Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.</li> <li>Check regularly for spills and leaks.</li> </ul> <p>Slippery when spilt.</p> <ul style="list-style-type: none"> <li>Clean up all spills immediately.</li> <li>Avoid breathing vapours and contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Contain and absorb spill with sand, earth, inert material or vermiculite.</li> </ul> |
| Major Spills | <p>Slippery when spilt.</p> <ul style="list-style-type: none"> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear full body protective clothing with breathing apparatus.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> </ul>                                                                                                                                                                                                                                            |

Personal Protective Equipment advice is contained in Section 8 of the SDS.

## SECTION 7 HANDLING AND STORAGE

## Precautions for safe handling

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safe handling     | <p><b>Contains low boiling substance:</b></p> <p>Storage in sealed containers may result in pressure buildup causing violent rupture of containers not rated appropriately.</p> <ul style="list-style-type: none"> <li>Check for bulging containers.</li> <li>Vent periodically</li> <li>Always release caps or seals slowly to ensure slow dissipation of vapours</li> <li><b>DO NOT USE brass or copper containers / stirrers</b></li> <li><b>DO NOT allow clothing wet with material to stay in contact with skin</b></li> </ul> <p>The substance accumulates peroxides which may become hazardous only if it evaporates or is distilled or otherwise treated to concentrate the peroxides. The substance may concentrate around the container opening for example.</p> <p>Purchases of peroxidisable chemicals should be restricted to ensure that the chemical is used completely before it can become peroxidised.</p> <ul style="list-style-type: none"> <li>A responsible person should maintain an inventory of peroxidisable chemicals or annotate the general chemical inventory to indicate which chemicals are subject to peroxidation.</li> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Avoid contact with moisture.</li> </ul> |
| Other information | <ul style="list-style-type: none"> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li><b>DO NOT store near acids, or oxidising agents</b></li> <li>No smoking, naked lights, heat or ignition sources.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Conditions for safe storage, including any incompatibilities

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable container      | <ul style="list-style-type: none"> <li><b>DO NOT use aluminium or galvanised containers</b></li> <li>Lined metal can, lined metal pail/ can.</li> <li>Plastic pail.</li> <li>Polyliner drum.</li> <li>Packing as recommended by manufacturer.</li> </ul> <p>For low viscosity materials</p> <ul style="list-style-type: none"> <li>Drums and jericans must be of the non-removable head type.</li> <li>Where a can is to be used as an inner package, the can must have a screwed enclosure.</li> </ul> <p>For materials with a viscosity of at least 2680 cSt. (23 deg. C) and solids (between 15 C deg. and 40 deg C.):</p> <ul style="list-style-type: none"> <li>Removable head packaging;</li> <li>Cans with friction closures and</li> <li>low pressure tubes and cartridges</li> </ul> <p>may be used.</p> |
| Storage incompatibility | <ul style="list-style-type: none"> <li>Reacts with mild steel, galvanised steel / zinc producing hydrogen gas which may form an explosive mixture with air.</li> <li>Avoid strong acids, acid chlorides, acid anhydrides and chloroformates.</li> <li>Avoid contact with copper, aluminium and their alloys.</li> <li>Avoid reaction with oxidising agents</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## Control parameters

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Not Available

## EMERGENCY LIMITS

| Ingredient                              | Material name                           | TEEL-1    | TEEL-2   | TEEL-3    |
|-----------------------------------------|-----------------------------------------|-----------|----------|-----------|
| benzyl alcohol                          | Benzyl alcohol                          | 30 ppm    | 52 ppm   | 740 ppm   |
| 2,4,6-tris[(dimethylamino)methyl]phenol | Tris(dimethylaminomethyl)phenol, 2,4,6- | 3.6 mg/m3 | 40 mg/m3 | 240 mg/m3 |

Continued...

## ARDEX EG 15 Part B

| Ingredient                              | Original IDLH | Revised IDLH  |
|-----------------------------------------|---------------|---------------|
| polyamide resin                         | Not Available | Not Available |
| benzyl alcohol                          | Not Available | Not Available |
| isophorone diamine                      | Not Available | Not Available |
| 2,4,6-tris[(dimethylamino)methyl]phenol | Not Available | Not Available |
| salicylic acid                          | Not Available | Not Available |

## Exposure controls

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.<br>The basic types of engineering controls are:<br>Process controls which involve changing the way a job activity or process is done to reduce the risk.<br>Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Personal protection              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Eye and face protection          | <ul style="list-style-type: none"> <li>Chemical goggles.</li> <li>Full face shield may be required for supplementary but never for primary protection of eyes.</li> <li>Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Skin protection                  | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Hands/feet protection            | <ul style="list-style-type: none"> <li>When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots.</li> </ul> <p><b>NOTE:</b></p> <ul style="list-style-type: none"> <li>The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.</li> <li>Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed.</li> </ul> <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.</p> <p>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</p> <p>Personal hygiene is a key element of effective hand care.</p> |
| Body protection                  | See Other protection below                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Other protection                 | <ul style="list-style-type: none"> <li>Overalls.</li> <li>PVC Apron.</li> <li>PVC protective suit may be required if exposure severe.</li> <li>Eyewash unit.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Thermal hazards                  | Not Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Recommended material(s)

## GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:

ARDEX EG 15 Part B

| Material | CPI |
|----------|-----|
| BUTYL    | C   |
| VITON    | C   |

\* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

**NOTE:** As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

\* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

## Respiratory protection

Type AK-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required.

Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator   |
|------------------------------------|----------------------|----------------------|--------------------------|
| up to 10 x ES                      | AK-AUS P2            | -                    | AK-PAPR-AUS / Class 1 P2 |
| up to 50 x ES                      | -                    | AK-AUS / Class 1 P2  | -                        |
| up to 100 x ES                     | -                    | AK-2 P2              | AK-PAPR-2 P2 ^           |

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

Cartridge respirators should never be used for emergency ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the contaminated area immediately on detecting any odours through the respirator. The odour may indicate that the mask is not functioning properly, that the vapour concentration is too high, or that the mask is not properly fitted. Because of these limitations, only restricted use of cartridge respirators is considered appropriate.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

Continued...

## ARDEX EG 15 Part B

|                                                     |                                                                                   |                                                |                |
|-----------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|----------------|
| <b>Appearance</b>                                   | Clear amber, low viscosity, alkaline liquid with ammonia odour; mixes with water. |                                                |                |
| <b>Physical state</b>                               | Liquid                                                                            | <b>Relative density (Water = 1)</b>            | 0.97           |
| <b>Odour</b>                                        | Not Available                                                                     | <b>Partition coefficient n-octanol / water</b> | Not Available  |
| <b>Odour threshold</b>                              | Not Available                                                                     | <b>Auto-ignition temperature (°C)</b>          | Not Available  |
| <b>pH (as supplied)</b>                             | 11                                                                                | <b>Decomposition temperature</b>               | Not Available  |
| <b>Melting point / freezing point (°C)</b>          | Not Available                                                                     | <b>Viscosity (cSt)</b>                         | Not Available  |
| <b>Initial boiling point and boiling range (°C)</b> | Not Available                                                                     | <b>Molecular weight (g/mol)</b>                | Not Applicable |
| <b>Flash point (°C)</b>                             | >100                                                                              | <b>Taste</b>                                   | Not Available  |
| <b>Evaporation rate</b>                             | Not Available                                                                     | <b>Explosive properties</b>                    | Not Available  |
| <b>Flammability</b>                                 | Not Applicable                                                                    | <b>Oxidising properties</b>                    | Not Available  |
| <b>Upper Explosive Limit (%)</b>                    | Not Applicable                                                                    | <b>Surface Tension (dyn/cm or mN/m)</b>        | Not Available  |
| <b>Lower Explosive Limit (%)</b>                    | Not Applicable                                                                    | <b>Volatile Component (%vol)</b>               | Not Available  |
| <b>Vapour pressure (kPa)</b>                        | Not Available                                                                     | <b>Gas group</b>                               | Not Available  |
| <b>Solubility in water (g/L)</b>                    | Miscible                                                                          | <b>pH as a solution (1%)</b>                   | Not Available  |
| <b>Vapour density (Air = 1)</b>                     | Not Available                                                                     | <b>VOC g/L</b>                                 | 901.2          |

## SECTION 10 STABILITY AND REACTIVITY

|                                           |                                                                                                                                                                                                      |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | See section 7                                                                                                                                                                                        |
| <b>Chemical stability</b>                 | <ul style="list-style-type: none"> <li>▶ Unstable in the presence of incompatible materials.</li> <li>▶ Product is considered stable.</li> <li>▶ Hazardous polymerisation will not occur.</li> </ul> |
| <b>Possibility of hazardous reactions</b> | See section 7                                                                                                                                                                                        |
| <b>Conditions to avoid</b>                | See section 7                                                                                                                                                                                        |
| <b>Incompatible materials</b>             | See section 7                                                                                                                                                                                        |
| <b>Hazardous decomposition products</b>   | See section 5                                                                                                                                                                                        |

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhaled</b>      | Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by sleepiness, reduced alertness, loss of reflexes, lack of co-ordination, and vertigo.<br>Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.<br>There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Ingestion</b>    | Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual.<br>The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Skin Contact</b> | Skin contact with the material may be harmful; systemic effects may result following absorption.<br>The material can produce chemical burns following direct contact with the skin.<br>Open cuts, abraded or irritated skin should not be exposed to this material<br>Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Eye</b>          | The material can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating.<br>If applied to the eyes, this material causes severe eye damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Chronic</b>      | Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue.<br>Skin contact with the material is more likely to cause a sensitisation reaction in some persons compared to the general population.<br>Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.<br>There is some evidence that inhaling this product is more likely to cause a sensitisation reaction in some persons compared to the general population.<br>Inhalation of epoxy resin amine hardeners (including polyamines and amine adducts) may produce bronchospasm and coughing episodes lasting several days after cessation of the exposure. Even faint traces of these vapours may trigger an intense reaction in individuals showing "amine asthma". |

|                           |                                                    |                                   |
|---------------------------|----------------------------------------------------|-----------------------------------|
| <b>ARDEX EG 15 Part B</b> | <b>TOXICITY</b>                                    | <b>IRRITATION</b>                 |
|                           | Not Available                                      | Not Available                     |
| <b>benzyl alcohol</b>     | <b>TOXICITY</b>                                    | <b>IRRITATION</b>                 |
|                           | Dermal (rabbit) LD50: 2000 mg/kg <sup>[2]</sup>    | Eye (rabbit): 0.75 mg open SEVERE |
|                           | Inhalation (rat) LC50: 2000 ppm/8hr <sup>[2]</sup> | Skin (man): 16 mg/48h-mild        |
|                           | Oral (rat) LD50: 1230 mg/kg <sup>[2]</sup>         | Skin (rabbit):10 mg/24h open-mild |

## ARDEX EG 15 Part B

|                                         |                                                       |                                    |
|-----------------------------------------|-------------------------------------------------------|------------------------------------|
| isophorone diamine                      | TOXICITY                                              | IRRITATION                         |
|                                         | Oral (rat) LD50: 1030 mg/kg <sup>[2]</sup>            | Not Available                      |
| 2,4,6-tris[(dimethylamino)methyl]phenol | TOXICITY                                              | IRRITATION                         |
|                                         | dermal (rat) LD50: 1280 mg/kg <sup>[2]</sup>          | Eye (rabbit): 0.05 mg/24h - SEVERE |
|                                         | Inhalation (rat) LC50: >0.125 mg/l/1hr <sup>[2]</sup> | Skin (rabbit): 2 mg/24h - SEVERE   |
|                                         | Oral (rat) LD50: 1200 mg/kg <sup>[2]</sup>            |                                    |
| salicylic acid                          | TOXICITY                                              | IRRITATION                         |
|                                         | dermal (rat) LD50: >2000 mg/kg <sup>[1]</sup>         | Eye (rabbit): 100 mg - SEVERE      |
|                                         | Oral (rat) LD50: 200-2000 mg/kg <sup>[1]</sup>        | Skin (rabbit): 500 mg/24h - mild   |

**Legend:**

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.\* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BENZYL ALCOHOL                                                                | <p>Unlike benzylic alcohols, the beta-hydroxyl group of the members of benzyl alkyl alcohols contributes to break down reactions but do not undergo phase II metabolic activation. Though structurally similar to cancer causing ethyl benzene, phenethyl alcohol is only of negligible concern due to limited similarity in their pattern of activity.</p> <p>For benzoates:</p> <p>Benzyl alcohol, benzoic acid and its sodium and potassium salt have a common metabolic and excretion pathway. All but benzyl alcohol are considered to be unharmed and of low acute toxicity. They may cause slight irritation by oral, dermal or inhalation exposure except sodium benzoate which doesn't irritate the skin. Studies showed increased mortality, reduced weight gain, liver and kidney effects at higher doses, also, lesions of the brains, thymus and skeletal muscles may occur with benzyl alcohol.</p> <p>Adverse reactions to fragrances in perfumes and fragranced cosmetic products include allergic contact dermatitis, irritant contact dermatitis, sensitivity to light, immediate contact reactions, and pigmented contact dermatitis. Airborne and contact dermatitis occurs. Contact allergy is a lifelong condition, so symptoms may occur on re-exposure. Allergic contact dermatitis can be severe and widespread, with significant impairment of quality of life and potential consequences for fitness for work.</p> <p>Fragrance allergens act as haptens, low molecular weight chemicals that cause an immune response only when attached to a carrier protein. However, not all sensitizing fragrance chemicals are directly reactive, but require previous activation. A prehapten is a chemical that itself causes little or no sensitization, but is transformed into a hapten in the skin (bioactivation), usually via enzyme catalysis. It is not always possible to know whether a particular allergen that is not directly reactive acts as a prehapten or a prohaptent, or both.</p> <p>This is a member or analogue of a group of benzyl derivatives generally regarded as safe (GRAS), based partly on their self-limiting properties as flavouring substances in food. In humans and other animals, they are rapidly absorbed, broken down and excreted, with a wide safety margin. They also lack significant potential to cause genetic toxicity and mutations. The intake of benzyl derivatives as natural components of traditional foods is actually higher than the intake as intentionally added flavouring substances.</p> <p>The aryl alkyl alcohol (AAA) fragrance ingredients have diverse chemical structures, with similar metabolic and toxicity profiles. The AAA fragrances demonstrate low acute and subchronic toxicity by skin contact and swallowing. At concentrations likely to be encountered by consumers, AAA fragrance ingredients are non-irritating to the skin. The potential for eye irritation is minimal.</p> |
| ISOPHORONE DIAMINE                                                            | <p>Isophorone diamine is a strong skin irritant, corrosive with repeated application. Frequent occupational exposure may lead to the development of allergic skin inflammation. There could be damage to the smell organ, throat and lungs following inhalational exposure. Reduced kidney weight can result.</p> <p>The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.</p> <p>The material may produce respiratory tract irritation, and result in damage to the lung including reduced lung function.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL                                       | <p>Overexposure to most of these materials may cause adverse health effects.</p> <p>Many amine-based compounds can cause release of histamines, which, in turn, can trigger allergic and other physiological effects, including constriction of the bronchi or asthma and inflammation of the cavity of the nose. Whole-body symptoms include headache, nausea, faintness, anxiety, a decrease in blood pressure, rapid heartbeat, itching, reddening of the skin, urticaria (hives) and swelling of the face, which are usually transient.</p> <p>There are generally four routes of possible or potential exposure: inhalation, skin contact, eye contact, and swallowing.</p> <p>No significant acute toxicological data identified in literature search.</p> <p>The material may cause severe skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Repeated exposures may produce severe ulceration.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SALICYLIC ACID                                                                | <p>For certain benzyl derivatives:</p> <p>The members of this group are rapidly absorbed through the gastrointestinal tract, metabolised primarily in the liver, and excreted primarily in the urine either unchanged or as conjugates of benzoic acid derivatives. At high dose levels, gut micro-organisms may act to produce minor amounts of breakdown products. However, no adverse effects have been reported even at repeated high doses. Similarly, no effects were observed on reproduction, foetal development and tumour potential.</p> <p>A member or analogue of a group of hydroxy and alkoxy-substituted benzyl derivatives generally regarded as safe (GRAS) based in part on their self-limiting properties as flavouring substances in food; their rapid absorption, metabolic detoxification, and excretion in humans and other animals, their low level of flavour use, the wide margin of safety between the conservative estimates of intake and the no-observed-adverse effect levels determined from chronic and subchronic studies and the lack of significant genotoxic and mutagenic potential. This evidence of safety is supported by the fact that the intake of benzyl derivatives as natural components of traditional foods is greater than the intake as intentionally added flavouring substances.</p> <p>All members of this group are aromatic primary alcohols, aldehydes, carboxylic acids or their corresponding esters or acetals.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| BENZYL ALCOHOL & ISOPHORONE DIAMINE                                           | <p>The following information refers to contact allergens as a group and may not be specific to this product.</p> <p>Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's oedema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| BENZYL ALCOHOL & ISOPHORONE DIAMINE & SALICYLIC ACID                          | <p>The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ISOPHORONE DIAMINE & 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL & SALICYLIC ACID | <p>Asthma-like symptoms may continue for months or even years after exposure to the material ends. This may be due to a non-allergic condition known as reactive airways dysfunction syndrome (RADS) which can occur after exposure to high levels of highly irritating compound. Main criteria for diagnosing RADS include the absence of previous airways disease in a non-atopic individual, with sudden onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. Other criteria for diagnosis of RADS include a reversible airflow pattern on lung function tests, moderate to severe bronchial hyperreactivity on methacholine challenge testing, and the lack of minimal lymphocytic inflammation, without eosinophilia.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

Continued...

|                                                                                                                                                                               |   |                                                                                                                                                                |   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| 2,4,6-<br>TRIS[(DIMETHYLAMINO)METHYL]PHENOL<br>& SALICYLIC ACID                                                                                                               |   | The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis. |   |
| Acute Toxicity                                                                                                                                                                | ✓ | Carcinogenicity                                                                                                                                                | ⊖ |
| Skin Irritation/Corrosion                                                                                                                                                     | ✓ | Reproductivity                                                                                                                                                 | ⊖ |
| Serious Eye Damage/Irritation                                                                                                                                                 | ✓ | STOT - Single Exposure                                                                                                                                         | ✓ |
| Respiratory or Skin sensitisation                                                                                                                                             | ✓ | STOT - Repeated Exposure                                                                                                                                       | ⊖ |
| Mutagenicity                                                                                                                                                                  | ⊖ | Aspiration Hazard                                                                                                                                              | ⊖ |
| Legend:<br>✗ – Data available but does not fill the criteria for classification<br>✓ – Data available to make classification<br>⊖ – Data Not Available to make classification |   |                                                                                                                                                                |   |

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

|                                             |               |                    |                               |               |               |
|---------------------------------------------|---------------|--------------------|-------------------------------|---------------|---------------|
| ARDEX EG 15 Part B                          | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | Not Available | Not Available      | Not Available                 | Not Available | Not Available |
| benzyl alcohol                              | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 10mg/L        | 4             |
| isophorone diamine                          | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 54.352mg/L    | 3             |
|                                             | EC50          | 48                 | Crustacea                     | 17.4mg/L      | 4             |
|                                             | EC50          | 96                 | Algae or other aquatic plants | 7.221mg/L     | 3             |
|                                             | EC10          | 72                 | Algae or other aquatic plants | ≈3.1mg/L      | 1             |
|                                             | NOEC          | 72                 | Algae or other aquatic plants | ≈1.5mg/L      | 1             |
| 2,4,6-<br>tris[(dimethylamino)methyl]phenol | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 223.143mg/L   | 3             |
|                                             | EC50          | 96                 | Algae or other aquatic plants | 34.812mg/L    | 3             |
| salicylic acid                              | ENDPOINT      | TEST DURATION (HR) | SPECIES                       | VALUE         | SOURCE        |
|                                             | LC50          | 96                 | Fish                          | 144.354mg/L   | 3             |
|                                             | EC50          | 48                 | Crustacea                     | 870mg/L       | 4             |
|                                             | EC50          | 96                 | Algae or other aquatic plants | 420.600mg/L   | 3             |
|                                             | BCF           | 96                 | Algae or other aquatic plants | <50mg/L       | 4             |
|                                             | NOEC          | 504                | Crustacea                     | 10mg/L        | 2             |

Legend:   
Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
Do NOT allow product to come in contact with surface waters or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash-waters.  
Wastes resulting from use of the product must be disposed of on site or at approved waste sites.  
Prevent, by any means available, spillage from entering drains or water courses.  
**DO NOT discharge into sewer or waterways.**

Persistence and degradability

|                                             |                         |                  |
|---------------------------------------------|-------------------------|------------------|
| Ingredient                                  | Persistence: Water/Soil | Persistence: Air |
| benzyl alcohol                              | LOW                     | LOW              |
| isophorone diamine                          | HIGH                    | HIGH             |
| 2,4,6-<br>tris[(dimethylamino)methyl]phenol | HIGH                    | HIGH             |
| salicylic acid                              | LOW                     | LOW              |

Bioaccumulative potential

|                    |                    |
|--------------------|--------------------|
| Ingredient         | Bioaccumulation    |
| benzyl alcohol     | LOW (LogKOW = 1.1) |
| isophorone diamine | LOW (BCF = 3.4)    |

|                                         |                      |
|-----------------------------------------|----------------------|
| 2,4,6-tris[(dimethylamino)methyl]phenol | LOW (LogKOW = 0.773) |
| salicylic acid                          | MEDIUM (BCF = 1000)  |

**Mobility in soil**

| Ingredient                              | Mobility          |
|-----------------------------------------|-------------------|
| benzyl alcohol                          | LOW (KOC = 15.66) |
| isophorone diamine                      | LOW (KOC = 340.4) |
| 2,4,6-tris[(dimethylamino)methyl]phenol | LOW (KOC = 15130) |
| salicylic acid                          | LOW (KOC = 23.96) |

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

|                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product / Packaging disposal</b> | <ul style="list-style-type: none"> <li>Containers may still present a chemical hazard/ danger when empty.</li> <li>Return to supplier for reuse/ recycling if possible.</li> </ul> <p>Otherwise:</p> <ul style="list-style-type: none"> <li>If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill.</li> <li>Where possible retain label warnings and SDS and observe all notices pertaining to the product.</li> <li><b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b></li> <li>It may be necessary to collect all wash water for treatment before disposal.</li> <li>In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.</li> <li>Where in doubt contact the responsible authority.</li> <li>Recycle wherever possible.</li> <li>Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.</li> <li>Treat and neutralise at an approved treatment plant.</li> <li>Treatment should involve: Neutralisation with suitable dilute acid followed by: burial in a land-fill specifically licensed to accept chemical and / or pharmaceutical wastes or Incineration in a licensed apparatus (after admixture with suitable combustible material).</li> </ul> |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

|                         |                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------|
|                         |  |
| <b>Marine Pollutant</b> | NO                                                                                  |
| <b>HAZCHEM</b>          | 2X                                                                                  |

**Land transport (ADG)**

|                                     |                                                                                                                        |                    |         |                  |                |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------|--------------------|---------|------------------|----------------|
| <b>UN number</b>                    | 1760                                                                                                                   |                    |         |                  |                |
| <b>UN proper shipping name</b>      | CORROSIVE LIQUID, N.O.S. (contains isophorone diamine)                                                                 |                    |         |                  |                |
| <b>Transport hazard class(es)</b>   | <table> <tr> <td>Class</td><td>8</td></tr> <tr> <td>Subrisk</td><td>Not Applicable</td></tr> </table>                  | Class              | 8       | Subrisk          | Not Applicable |
| Class                               | 8                                                                                                                      |                    |         |                  |                |
| Subrisk                             | Not Applicable                                                                                                         |                    |         |                  |                |
| <b>Packing group</b>                | III                                                                                                                    |                    |         |                  |                |
| <b>Environmental hazard</b>         | Not Applicable                                                                                                         |                    |         |                  |                |
| <b>Special precautions for user</b> | <table> <tr> <td>Special provisions</td><td>223 274</td></tr> <tr> <td>Limited quantity</td><td>5 L</td></tr> </table> | Special provisions | 223 274 | Limited quantity | 5 L            |
| Special provisions                  | 223 274                                                                                                                |                    |         |                  |                |
| Limited quantity                    | 5 L                                                                                                                    |                    |         |                  |                |

**Air transport (ICAO-IATA / DGR)**

|                                     |                                                                                                                                                                    |                    |        |                                 |                |          |    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------|---------------------------------|----------------|----------|----|
| <b>UN number</b>                    | 1760                                                                                                                                                               |                    |        |                                 |                |          |    |
| <b>UN proper shipping name</b>      | Corrosive liquid, n.o.s. * (contains isophorone diamine)                                                                                                           |                    |        |                                 |                |          |    |
| <b>Transport hazard class(es)</b>   | <table> <tr> <td>ICAO/IATA Class</td><td>8</td></tr> <tr> <td>ICAO / IATA Subrisk</td><td>Not Applicable</td></tr> <tr> <td>ERG Code</td><td>8L</td></tr> </table> | ICAO/IATA Class    | 8      | ICAO / IATA Subrisk             | Not Applicable | ERG Code | 8L |
| ICAO/IATA Class                     | 8                                                                                                                                                                  |                    |        |                                 |                |          |    |
| ICAO / IATA Subrisk                 | Not Applicable                                                                                                                                                     |                    |        |                                 |                |          |    |
| ERG Code                            | 8L                                                                                                                                                                 |                    |        |                                 |                |          |    |
| <b>Packing group</b>                | III                                                                                                                                                                |                    |        |                                 |                |          |    |
| <b>Environmental hazard</b>         | Not Applicable                                                                                                                                                     |                    |        |                                 |                |          |    |
| <b>Special precautions for user</b> | <table> <tr> <td>Special provisions</td><td>A3A803</td></tr> <tr> <td>Cargo Only Packing Instructions</td><td>856</td></tr> </table>                               | Special provisions | A3A803 | Cargo Only Packing Instructions | 856            |          |    |
| Special provisions                  | A3A803                                                                                                                                                             |                    |        |                                 |                |          |    |
| Cargo Only Packing Instructions     | 856                                                                                                                                                                |                    |        |                                 |                |          |    |

## ARDEX EG 15 Part B

|                                                           |      |
|-----------------------------------------------------------|------|
| Cargo Only Maximum Qty / Pack                             | 60 L |
| Passenger and Cargo Packing Instructions                  | 852  |
| Passenger and Cargo Maximum Qty / Pack                    | 5 L  |
| Passenger and Cargo Limited Quantity Packing Instructions | Y841 |
| Passenger and Cargo Limited Maximum Qty / Pack            | 1 L  |

## Sea transport (IMDG-Code / GGVSee)

|                              |                                                                              |
|------------------------------|------------------------------------------------------------------------------|
| UN number                    | 1760                                                                         |
| UN proper shipping name      | CORROSIVE LIQUID, N.O.S. (contains isophorone diamine)                       |
| Transport hazard class(es)   | IMDG Class 8<br>IMDG Subrisk Not Applicable                                  |
| Packing group                | III                                                                          |
| Environmental hazard         | Not Applicable                                                               |
| Special precautions for user | EMS Number F-A , S-B<br>Special provisions 223 274<br>Limited Quantities 5 L |

## Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

## SECTION 15 REGULATORY INFORMATION

## Safety, health and environmental regulations / legislation specific for the substance or mixture

## BENZYL ALCOHOL(100-51-6) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

## ISOPHORONE DIAMINE(2855-13-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

## 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL(90-72-2) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

## SALICYLIC ACID(69-72-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Hazardous Substances Information System - Consolidated Lists

Australia Inventory of Chemical Substances (AICS)

| National Inventory            | Status                                                                                                                                                                                   |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Australia - AICS              | Y                                                                                                                                                                                        |
| Canada - DSL                  | Y                                                                                                                                                                                        |
| Canada - NDSL                 | N (benzyl alcohol; 2,4,6-tris[(dimethylamino)methyl]phenol; isophorone diamine; salicylic acid)                                                                                          |
| China - IECSC                 | Y                                                                                                                                                                                        |
| Europe - EINEC / ELINCS / NLP | Y                                                                                                                                                                                        |
| Japan - ENCS                  | N (isophorone diamine; salicylic acid)                                                                                                                                                   |
| Korea - KECI                  | Y                                                                                                                                                                                        |
| New Zealand - NZIoC           | Y                                                                                                                                                                                        |
| Philippines - PICCS           | Y                                                                                                                                                                                        |
| USA - TSCA                    | Y                                                                                                                                                                                        |
| Legend:                       | Y = All ingredients are on the inventory<br>N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets) |

## SECTION 16 OTHER INFORMATION

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

## Definitions and abbreviations

PC — TWA: Permissible Concentration-Time Weighted Average  
 PC — STEL: Permissible Concentration-Short Term Exposure Limit  
 IARC: International Agency for Research on Cancer  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 STEL: Short Term Exposure Limit  
 TEEL: Temporary Emergency Exposure Limit.

Continued...

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index

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