



Health & Safety data sheets

Feb 2013

1. Identification of the preparations and company.

Product details: Intermediate Waterproofing Wearing Traffic Deck Coating

Trade names: ARDEX WPM 426 (Part A)

Supplier: ARDEX SINGAPORE PTE. LTD.
26 Tuas Avenue 4 Singapore 639376
Tel: + 65 6861 7700 Fax: + 65 6862 3381

2. Composition/information on ingredients.

INGREDIENTS	CAS Number	OSHA PEL	CONTENTS(%)
Polyurethane prepolymer	-	-	95 – 99
Toluene di isocyanate	25471 – 62 – 5	0.005ppm TLV	1 – 5

3. Hazard identification.

Threshold limit value: TDI 0.005ppm TWA(ACGIH 1993 – 1994)

HEALTH EFFECTS

Irritation: Skin, Nose, Throat, Eyes.

4. First aid measures.

Eye: Flush with plenty of water for 15 minutes. Seek medical attention promptly.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water for 15 minutes. DO NOT use solvents to remove product from skin. Wash clothing thoroughly before reuse. Consult a physician if irritation persists.

Inhaled: Remove to fresh air location. If discomfort persists, seek medical advice.

Ingestion: If swallowed, induce vomiting. Dilute or milk and seek medical advice.

ADVICE TO DOCTOR (EMERGENCY TREATMENT)

Treat symptomatically. The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Supportive care. Treatment based on the sound judgment of the attending physician and the individual reactions of the patient.

5. Fire-fighting measures.

Suitable extinguishing media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: No special measures required.

6. Accidental release measures.

No dangerous materials released. Prevent large quantities entering drains, sewers and ground water. Large spillages can be pumped into containers, small spillages soaked up with absorbent materials, (e.g. sand, sawdust, etc.).



7. Handling and Storage.

Storage / Transport

- Do not get into eyes. May cause irritation and redness
- Avoid contact with skin or clothing. Wash contaminated clothing before re-use
- Store in cool, dry and well ventilated area. And away from heat, open flame and incompatible materials.
- Out of reach from children and domestic animals.
- Containers must be tightly closed when not in use in order to prevent drying and to avoid contamination.

Spills

Steps to be taken in case material is release or spilled:

- Sweep up and dispose properly. Flush contaminated area with plenty of water.
- Sweeping or waste material should not be put into bins
- Damped or contaminated material should not be repacked in containers

Disposal

Separate solids by coagulation or drying. Place in secure container for disposal. Burn in an adequate incinerator or bury to dispose in an approved land-fill in accordance with State and /or Local Government regulations.

FIRE / EXPLOSION

Flash point (°C)	248
Extinguishing media	Water, carbon dioxide or dry chemical
Special fighting procedures	Personnel engaged in fighting fires must be protected against nitrogen dioxide fumes
Explosion hazard	Moderate when exposed to flame

8. Exposure controls/personal protection.

PERSONAL PROTECTION

Respiratory Protection	Use approved respirator, if exposure is expected
Ventilation	Good ventilation is essential
Protective gloves	Wear rubber gloves
Eye protection	Wear side-shield goggles
Other protective equipment	Wear protective long sleeve clothing to prevent exposure and personal contact.
Work/ Hygiene practice	Wash eyes and hands with water and gargle after handling

9. Physical and chemical properties.

Boiling point (°C)	N/A	Vapor pressure (mmHg)	N/A
Melting point (°C)	N/A	Specific gravity (20°C)	1.05±0.05
Ignition point (°C)	N/A	Volatile material (WT%)	0.2
Viscosity (25°C, CPS)	3000 - 4500		
Solubility :	Toluene, Xylene, Acetic acid		
Appearance & Odor:	Light yellowish liquid, aromatic odor		

10. Stability and reactivity.

- Unstable, avoid alkali and strong acid condition
- Incompatibility (Material to avoid) : Strong acid and alkali flammability
- Hazardous decomposition products : Evolves oxides of nitrozen when burned
- Hazardous polymerization may occur, avoid flame



11. Toxicological information.

These products are not subject to classification according to current guidelines.

12. Ecological information.

Water hazard class 1 (self assessment) : slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, lakes, rivers or sewage systems.

13. Disposal considerations.

In almost cases, can be incinerated with cloths, but observe federal, state and local regulations. For environmental reasons do not dispose indiscriminately in the liquid state.

14. Transport information.

Not classified as hazardous for transport purposes.

15. Regulatory information.

These products are not subject to identification under the EC Directives and Regulations on Hazardous Materials. This Product Data Sheet does not constitute a workplace risk assessment.

16. Other information.

ARDEX WPM 426 (Part A) should not mixed with any other chemicals except when being formulated into products with known compatible chemicals.



Health & Safety data sheets

Feb 2013

1. Identification of the preparations and company.

Product details: Intermediate Waterproofing Wearing Traffic Deck Coating

Trade names: ARDEX WPM 426 (Part B)

Supplier: ARDEX SINGAPORE PTE. LTD.
26 Tuas Avenue 4 Singapore 639376
Tel: + 65 6861 7700 Fax: + 65 6862 3381

2. Composition/information on ingredients.

INGREDIENTS	CAS Number	OSHA PEL	CONTENTS(%)
Polyether polyol	25791-96-2	-	20 – 30
Dibutyl phthalate	84-74-2	-	10 – 20
4,4, methylene-bis-(2-chloroaniline)	26471-62-5	0.01ppm TWA	10 – 20
Non harmful materials	-	-	40 – 50

3. Hazard identification.

Threshold limit value: 4,4, -methylene-bis-(2-chloroaniline) TWA 0.005mg/m³
ACGIH (1992-1993) TWA 0.01ppm (0.01ppm (0.11mg/m³))

HEALTH EFFECTS

Irritation: Skin, Nose, Throat, Eyes.

4. First aid measures.

Eye: Flush with plenty of water for 15 minutes. Seek medical attention promptly.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water for 15 minutes. DO NOT use solvents to remove product from skin. Wash clothing thoroughly before reuse. Consult a physician if irritation persists.

Inhaled: Remove to fresh air location. If discomfort persists, seek medical advice.

Ingestion: If swallowed, induce vomiting. Dilute or milk and seek medical advice.

ADVICE TO DOCTOR (EMERGENCY TREATMENT)

Treat symptomatically. The decision whether to induce vomiting or not should be made by an attending physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Supportive care. Treatment based on the sound judgment of the attending physician and the individual reactions of the patient.

5. Fire-fighting measures.

Suitable extinguishing media: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Protective equipment: No special measures required.



6. Accidental release measures.

No dangerous materials released. Prevent large quantities entering drains, sewers and ground water. Large spillages can be pumped into containers, small spillages soaked up with absorbent materials, (e.g. sand, sawdust, etc.).

7. Handling and Storage.

Storage / Transport

- Do not get into eyes. May cause irritation and redness
- Avoid contact with skin or clothing. Wash contaminated clothing before re-use
- Store in cool, dry and well ventilated area. And away from heat, open flame and incompatible materials.
- Out of reach from children and domestic animals.
- Containers must be tightly closed when not in use in order to prevent drying and to avoid contamination.

Spills

Steps to be taken in case material is release or spilled:

- Sweep up and dispose properly. Flush contaminated area with plenty of water.
- Sweeping or waste material should not be put into bins
- Damped or contaminated material should not be repacked in containers

Disposal

Separate solids by coagulation or drying. Place in secure container for disposal. Burn in an adequate incinerator or bury to dispose in an approved land-fill in accordance with State and /or Local Government regulations.

FIRE / EXPLOSION

Flash point (°C)	216
Extinguishing media	Water, carbon dioxide, dry sand , foam
Special fighting procedures	Personnel engaged in fighting fires must be protected against nitrogen dioxide fumes
Explosion hazard	Moderate when exposed to flame

8. Exposure controls/personal protection.

PERSONAL PROTECTION

Respiratory Protection	Use approved respirator, if exposure is expected
Ventilation	Good ventilation is essential
Protective gloves	Wear rubber gloves
Eye protection	Wear side-shield goggles
Other protective equipment	Wear protective long sleeve clothing to prevent exposure and personal contact.
Work/ Hygiene practice	Wash eyes and hands with water and gargle after handling

9. Physical and chemical properties.

Boiling point (°C)	N/A	Vapor pressure (mmHg)	N/A
Melting point (°C)	N/A	Specific gravity (20°C)	1.35±0.05
Ignition point (°C)	N/A	Volatile material (WT%)	0.2
Viscosity (25°C, CPS)	3000 - 7000		
Solubility :	Toluene, Xylene, Acetic acid		
Appearance & Odor:	Colored liquid, light aromatic odor		



10. Stability and reactivity.

- Stable under normal storage, avoid alkali and strong acid condition
- Incompatibility (Material to avoid) : Strong acid and alkali flammability
- Hazardous decomposition products : Evolves oxides of nitrogen when burned
- Hazardous polymerization will not occur, avoid flame

11. Toxicological information.

Health hazardous acute: 4,4, - methylene-bis-(2-chloroaniline) LD₅₀ = 1,300mg/kg(mouth)

12. Ecological information.

Water hazard class 1 (self assessment) : slightly hazardous for water. Do not allow undiluted product or large quantities to reach ground water, lakes, rivers or sewage systems.

13. Disposal considerations.

In almost cases, can be incinerated with cloths, but observe federal, state and local regulations. For environmental reasons do not dispose indiscriminately in the liquid state.

14. Transport information.

Not classified as hazardous for transport purposes.

15. Regulatory information.

These products are not subject to identification under the EC Directives and Regulations on Hazardous Materials. This Product Data Sheet does not constitute a workplace risk assessment.

16. Other information.

ARDEX WPM 426 (Part B) should not mixed with any other chemicals except when being formulated into products with known compatible chemicals.