



## SAFETY DATA SHEET ARDEX AF 2510 Part B

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME                    ARDEX AF 2510 Part B

SUPPLIER                         Ardex UK Limited  
Homefield Road  
Haverhill  
Suffolk  
CB9 8QP  
Tel. 01440 714939  
Fax. 01440 716667  
e-mail:  
safetydatasheets@ardex.co.uk

EMERGENCY TELEPHONE        +44 (0) 870 190 6777 (24 hours)

### 2 HAZARDS IDENTIFICATION

Harmful by inhalation. Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation and skin contact. Limited evidence of a carcinogenic effect. Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
CLASSIFICATION (1999/45)        Xn;R20, R48/20. Carc. Cat. 3;R40. R42/43. Xi;R36/37/38.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues		9016-87-9	10-30%	Xn;R20. Xi;R36/37/38. R42.
METHYLENEDIPHENYL DIISOCYANATE	247-714-0	26447-40-5	60-100%	Xn;R20 R42/43 Xi;R36/37/38

The Full Text for all R-Phrases are Displayed in Section 16

### 4 FIRST-AID MEASURES

#### GENERAL INFORMATION

Remove affected person from source of contamination.

#### NOTES TO THE PHYSICIAN

Treatment : Treat according to symptoms (decontamination, vital functions), no known specific antidote, administer corticosteroid dose aerosol to prevent pulmonary odema. Hazards: Symptoms can appear later

#### INHALATION

Move the exposed person to fresh air at once. Get medical attention. Provide rest, warmth and fresh air.

#### INGESTION

DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water. Call an ambulance. Bring along these instructions.

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.

#### EYE CONTACT

Remove victim immediately from source of exposure. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention. Consult a physician for specific advice.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Water spray.

#### SPECIAL FIRE FIGHTING PROCEDURES

Cool containers exposed to flames with water until well after the fire is out.

#### SPECIFIC HAZARDS

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Hydrogen cyanide (HCN). Isocyanate Oxides of: Nitrogen.

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### PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6 ACCIDENTAL RELEASE MEASURES

#### PERSONAL PRECAUTIONS

Provide adequate ventilation. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

#### ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

#### SPILL CLEAN UP METHODS

For large amounts: Pump off product. Absorb with sand or other inert absorbent. Neutralize with a solution of 5-10% Sodium carbonate, 0, 2-2% detergents and 90-95% water.

### 7 HANDLING AND STORAGE

#### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

#### STORAGE PRECAUTIONS

Keep away from water. Keep away from food, drink and animal feeding stuffs. Store away from: Acids. Alkalis. Suitable containers: mild steel, stainless steel. Suitable containers: polyethylene. Store in a cool place. Store in tightly closed original container in a well-ventilated place. Formation of CO2 and build up of pressure possible. Protect from temperatures below: 20C Protect from temperatures above: 35 C

#### STORAGE CLASS

Chemical storage.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	
METHYLENEDIPHENYL DIISOCYANATE	WEL		0.02 mg/m3(Sen)		0.07 mg/m3(Sen)	

WEL = Workplace Exposure Limit.

#### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

#### PROTECTIVE EQUIPMENT



#### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

#### RESPIRATORY EQUIPMENT

Respiratory protection in case of vapour/aerosol release. Combination filter for gases/vapours of organic, inorganic, acid inorganic and alkaline compounds (e.g. EN 14387 Type ABEK).

#### HAND PROTECTION

Use protective gloves. Butyl rubber gloves are recommended. Nitrile gloves are recommended.

#### EYE PROTECTION

Wear approved safety goggles.

#### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear rubber footwear.

#### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

#### APPEARANCE

Liquid

#### COLOUR

Colourless to pale yellow

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ODOUR	Musty (mouldy).		
SOLUBILITY	Hydrolyzes to form water-insoluble compounds		
BOILING POINT (°C)	>200 mBar	RELATIVE DENSITY	1.22 25 C
VAPOUR PRESSURE	<0.01 Pa 25 C	VISCOSITY	50-100 mPas 25
FLASH POINT (°C)	>200 C	AUTO IGNITION TEMPERATURE (°C)	>530

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions. Thermal decomposition >230 C

**CONDITIONS TO AVOID**

Avoid contact with acids and oxidising substances.

**MATERIALS TO AVOID**

Amines. Water. Alcohols. Acids. Alkalines.

**HAZARDOUS DECOMPOSITION PRODUCTS**

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

**11 TOXICOLOGICAL INFORMATION****INHALATION**

Harmful by inhalation. May cause irritation to the respiratory system. May cause sensitisation by inhalation.

**INGESTION**

Harmful if swallowed.

**SKIN CONTACT**

Irritating to skin. May cause sensitisation by skin contact.

**EYE CONTACT**

Irritating to eyes.

**TARGET ORGANS**

Skin Eyes Respiratory system, lungs

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

The product is not expected to be toxic to aquatic organisms.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION****GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

**ROAD TRANSPORT NOTES**

Not Classified

**RAIL TRANSPORT NOTES**

Not classified.

**SEA TRANSPORT NOTES**

Not classified.

**AIR TRANSPORT NOTES**

Not classified.

**MARINE POLLUTANT**

No.

**15 REGULATORY INFORMATION****LABELLING**

Harmful

**CONTAINS**

DIPHENYLMETHANEDIISOCYANATE -Isomers & homologues  
METHYLENEDIPHENYL DIISOCYANATE

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RISK PHRASES

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R40	Limited evidence of a carcinogenic effect.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

SAFETY PHRASES

S23	Do not breathe vapour/spray.
S36/37	Wear suitable protective clothing and gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).

STATUTORY INSTRUMENTS

Control of Substances Hazardous to Health. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

REVISION DATE 07/01/2011

REV. NO./REPL. SDS GENERATED 2

RISK PHRASES IN FULL

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
R42	May cause sensitisation by inhalation.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.