



SAFETY DATA SHEET ARDEX WA PART A

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

PRODUCT NAME ARDEX WA PART A
PRODUCT NO. KWA4G, KWA4GP, KWA2W, KWA4
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2 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION (1999/45) Xi;R36/38. R43. N;R51/53.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
Bisphenol F epichlorhydrin resin with MW <700		28064-14-4	5-10%	Xi;R36/38. N;R51/53. R43.
EPOXY RESIN (Number average MW <= 700)	500-033-5	25068-38-6	30-60%	R43 Xi;R36/38 N;R51/53
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS		68609-97-2	5-10%	R43 Xi;R38

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed.

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

ARDEX WA PART A**PERSONAL PRECAUTIONS**

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use protective gloves made of: Nitrile. Viton rubber (fluor rubber). Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	White / off-white		
ODOUR	Characteristic		
SOLUBILITY	Emulsifiable in water Insoluble in water		
RELATIVE DENSITY	1.5 20	pH-VALUE, DILUTED SOLUTION	8
FLASH POINT (°C)	101 CC (Closed cup).		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS POLYMERISATION

Will not polymerise.

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MATERIALS TO AVOID

Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system.

INGESTION

May cause stomach pain or vomiting.

SKIN CONTACT

May cause sensitisation by skin contact. Irritating to skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

WATER HAZARD CLASSIFICATION

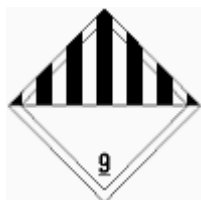
WGK 2

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN (Number average MW <= 700), Bisphenol F epichlorhydrin resin with MW <700)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD No. (ADR)	90
ADR LABEL NO.	9	HAZCHEM CODE	3Z
CEFIC TEC(R) NO.	90GM6-III	RID CLASS NO.	9
RID PACK GROUP	III	UN NO. SEA	3082
IMDG CLASS	9	IMDG PACK GR.	III
EMS	F-A, S-F	MFAG	See Guide
MARINE POLLUTANT	No.	UN NO. AIR	3082
AIR CLASS	9	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Irritant



Dangerous for the environment

ARDEX WA PART A

CONTAINS

Bisphenol F epichlorhydrin resin with MW <700
 EPOXY RESIN (Number average MW <= 700)
 OXIRANE, MONO [(C12-14- ALKYL OXY)METHYL] DERIVS

RISK PHRASES

R43 May cause sensitisation by skin contact.
 R36/38 Irritating to eyes and skin.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S37 Wear suitable gloves.
 S24/25 Avoid contact with skin and eyes.
 S61 Avoid release to the environment. Refer to special instructions/safety data sheets.
 P5 Contains epoxy constituents. See information supplied by the manufacturer.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

16 OTHER INFORMATION

REVISION DATE 15/11/2010

REV. NO./REPL. SDS GENERATED 2

RISK PHRASES IN FULL

R36/38 Irritating to eyes and skin.
 R38 Irritating to skin.
 R43 May cause sensitisation by skin contact.
 R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.



SAFETY DATA SHEET ARDEX WA PART B

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

PRODUCT NAME ARDEX WA PART B

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2 HAZARDS IDENTIFICATION

Causes burns. May cause sensitisation by skin contact.

CLASSIFICATION (1999/45) C;R34. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
DIETHYLENETRIAMINE	203-865-4	111-40-0	> 3 %	C;R34 Xn;R21/22 R43
TRIETHYLENETETRAMINE	203-950-6	112-24-3	> 3 %	C;R34 Xn;R21 R43 R52/53

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

4 FIRST-AID MEASURES

GENERAL INFORMATION

NOTE! Effects may be delayed. Keep affected person under observation.

INHALATION

Move the exposed person to fresh air at once. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Keep the affected person warm and at rest. Get prompt medical attention.

INGESTION

Drink plenty of water. Provide rest, warmth and fresh air. Get medical attention immediately!

SKIN CONTACT

Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder. Do not use water as an extinguisher.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

In case of fire, toxic gases may be formed (COx, NOx).

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

ARDEX WA PART B

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not let washing down water contaminate ponds or waterways.

7 HANDLING AND STORAGE

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
DIETHYLENETRIAMINE	WEL	1 ppm	4,3 mg/m3			Sk

WEL = Workplace Exposure Limit.
 Sk = Can be absorbed through skin.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION

Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

EYE PROTECTION

Wear tight-fitting goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap & water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste
COLOUR	White / off-white or Grey
ODOUR	Characteristic
SOLUBILITY	Insoluble in water Emulsible in water.
RELATIVE DENSITY	1.1 20
FLASH POINT (°C)	135 CC (Closed cup).
AUTO IGNITION	335
TEMPERATURE (°C)	

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

ARDEX WA PART B**HAZARDOUS POLYMERISATION**

Will not polymerise.

MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTSIn case of fire, toxic gases (CO, CO₂, NO_x) may be formed.**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause chemical burns in mouth, oesophagus and stomach. Corrosive. Even small amounts may cause serious damage.

SKIN CONTACT

Causes burns. May cause allergic contact eczema. Acts as a defatting agent on skin. May cause cracking of skin, and eczema. May cause sensitisation by skin contact.

EYE CONTACT

Causes burns. Extreme irritation of eyes and mucous membranes, including burning and tearing.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Dangerous for the environment: May cause long-term adverse effects in the aquatic environment.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

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

14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	AMINES, LIQUID, CORROSIVE, N.O.S. (TRIETHYLENETETRAMINE, DIETHYLENETRIAMINE)
ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT	No.
UN NO. ROAD	2735
ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II
TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80
ADR LABEL NO.	8
HAZCHEM CODE	2X
UN NO. SEA	2735
IMDG CLASS	8
IMDG PACK GR.	II
EMS	F-A, S-B
UN NO. AIR	2735
AIR CLASS	8
AIR PACK GR.	II

15 REGULATORY INFORMATION

ARDEX WA PART B

LABELLING



Corrosive

CONTAINS

DIETHYLENETRIAMINE
 TRIETHYLENETETRAMINE

RISK PHRASES

R34 Causes burns.
 R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S60 This material and its container must be disposed of as hazardous waste.

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

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

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

REVISION DATE 21/10/2011

REV. NO./REPL. SDS GENERATED 3

RISK PHRASES IN FULL

R34 Causes burns.
 R21/22 Harmful in contact with skin and if swallowed.
 R21 Harmful in contact with skin.
 R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R43 May cause sensitisation by skin contact.

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