

ARDEX UK Limited

Health & Safety data sheets

Revision dated
JUNE 2005



HIGH PERFORMANCE
TILING AND FLOORING PRODUCTS

CODE 0

Product Safety Data Sheet

1. Identification of the substance/preparation and company.

Product details: Epoxy resin flooring systems and membranes.

Trade name: ARDEX DPM Part A ARDEX DPM 1 C Part A ARDEX R 3 E Part A
ARDEX R 25 E Part A ARDEX R 30 E Part B ARDEX R 35 E Part A
ARDEX R 40 E Part A

Manufacturer: ARDEX UK Limited Telephone: + 44 (0) 1440 714939
Homefield Road Facsimile: + 44 (0) 1440 716660
Haverhill Health and Safety contact: Mr C Potter
Suffolk
CB9 8QP
England

2. Composition/information on ingredients.

Chemical Name	Classification	%	Index Risk	Phrases
Oxirane, Mono [(C12-14-Alkyloxy) Methyl] Derivs	CAS No.68609-97-2	5-10	Xi	38, 43
Bisphenol F - epoxy resin	CAS No.55492-52-9	10-30	Xi, N	36/38,43,51/53
Bisphenol A (Epichlorhydrin) Epoxy resin MW <700	CAS No.25068-38-6	30-60	Xi, N	36/38,43,51/53

The full text for all R-phrases are displayed in section 16

Composition Comments: Modified epoxy resin preparation

3. Hazard identification.

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

4. First aid measures.

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

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion: Rinse mouth thoroughly. Drink plenty of water. Get medical attention.

Skin: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eyes: Before rinsing the eyes make sure to remove any contact lenses. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.



5. Fire-fighting measures.

Suitable extinguishing media: Fire can be extinguished using: Water spray. Alcohol resistant foam. Dry powder, sand, dolomite, etc.

Protective measures in Fire: Wear self contained breathing apparatus if significant amounts involved.

6. Accidental release measures.

Personal precaution in spill: Avoid contact with skin and eyes. Do not breathe vapours.

Precautions to protect environment: Do not allow spillages to enter drains or watercourses.

Spill clean up methods: Wear necessary protective equipment. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer.

7. Handling and Storage.

Usage precautions: Avoid spilling, skin and eye contact.

Storage precautions: Keep in cool, dry, ventilated storage and closed containers. Keep in original container.

8. Exposure controls and personal protection.

Ingredient comments: OES = Occupational Exposure Standard

Personal protection:

Hand protection: Use protective gloves.

Eye protection: Use approved safety goggles or face shield.

Ventilation: No particular ventilation requirements.

Respirators: No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Other protection: Wear appropriate clothing to prevent any possibility of skin contact.

Hygienic work practices: DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. No eating or drinking while working with this material.

9. Physical and chemical properties.

Appearance: Liquid.

Colour: A range of colours.

Odour/Taste: Characteristic.

Boiling point: >100°C.

Pressure: 760mmHg.

pH-Value, conc. Solution: 8.

Decomposition Temp (°C): >200.

Flash point (°C): +130.

Method: CC (Closed cup).



10. Stability and reactivity.

Stability: Normally stable.

Conditions to avoid: Avoid contact with acids and alkalis.

Hazardous decomp. products: Fire or high temperatures create: irritating gases/vapours/fumes of: carbon dioxide (CO₂). Carbon Monoxide (CO).

11. Toxicological information.

Health warnings:

Inhalation: May cause irritation to the respiratory system.

Skin contact: Prolonged or repeated exposure may cause severe irritation. May cause sensitisation by skin contact.

Ingestion: May cause stomach pain or vomiting. May cause chemical burns in mouth and throat

Eye contact: May cause severe irritation to eyes.

12. Ecological information.

Ecological information: Dangerous for the environment if discharged into watercourses.

Water hazard classification: Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

13. Disposal considerations.

Disposal methods: Dispose of in accordance with Local Authority requirements.

14. Transport information.

ADR/RID

UN No. Road:	3082
UK road transport class:	9
UN road pack GR:	III
ADR class No.:	9
ADR class:	9: Miscellaneous dangerous substances and articles.
ADR label No.:	9
Packing Group:	III
Cefic TEC(R):	90GM5-III
Hazard ID No.:	90
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol A- (Epichlorhydrin) Reaction Product) Epoxy Resin MW<700

IMDG/IMO

UN No. Sea:	3082
IMDG Class:	9
Packing Group:	III
EmS No.:	F-A, S-F
Marine Pollutant:	-

IATA/ICAO

UN No. Air:	3082
ICAO Class:	9
Packing Group:	III
Packing instructions:	914
Labelling:	9



15. Regulatory information.

Risk phrases:	R36/38	Irritating to eyes and skin.
	R43	May cause sensitisation by skin contact.
	R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases:	P-5	Contains epoxy constituents. See information supplied by the manufacturer.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.
	S60	This material and its containers must be disposed of as hazardous waste
	S61	Avoid release to the environment. Refer to special instructions/Safety Data Sheets.
Environmental listing:	Rivers (Prevention of Pollution) Act 1961. Control of Pollution (Special Waste Regulations) Act 1980.	
EU Directives:	System of specific information relating to Dangerous Preparations. 91\155. Dangerous Preparations Directive 88\379.	
Statutory Instruments:	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.	
Approved Code of Practice:	Classification and Labelling of Substances and Preparations Dangerous for Supply.	
Guidance Notes:	Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).	

16. Other information.

Information sources: Dangerous Properties of Industrial Materials Report, N.Sax et.al.

Revision comments: Revised to include new contact details.

Revision date: June 2005.

Disclaimer: This information is accurate to the best knowledge of ARDEX UK and is given on the understanding that the product will be used in accordance with any instructions given with this product. Should any use be contemplated outside these instructions then appropriate advice should be sought.

R-phrases (full text): R-36/38 Irritating to eyes and skin. R-43 May cause sensitisation by skin contact. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This Product Data Sheet does not constitute a workplace risk assessment.

