

ARDEX UK Limited

Health & Safety data sheets

Revision dated
MARCH 2005



HIGH PERFORMANCE
TILING AND FLOORING PRODUCTS

CODE P

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 B ARDEX DPM 1 C Part B
ARDEX R 3 E Part B

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
m.xylylenediamine	CAS No.1477-55-0	5-10	C	20/22,34,43,52/53
Benzyl Alcohol	CAS No.100-51-6 EINECS Nr.202-859-9	10-30	Xn	20/22
4,4'-Isopropylidenediphenol	CAS No.80-05-7 EINECS Nr.201-245-8	5-10	Xi	36/37/38,43
2,4, 6-Tris(Dimethylaminomethyl) Phenol	CAS No.90-72-2 EINECS Nr.202-013-9	1-5	Xn	22,36/38
3-Aminopropyldimethylamine	CAS No.109-55-7 EINECS Nr.203-680-9	1-5	C	10,22,34,43
Salicylic Acid	CAS No.69-72-7	1-5	Xn	20/22,41
Isophoronediamine	CAS No.2855-13-2 EINECS Nr.220-666-8	5-10	C	21/22,34,43,52/53

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

Composition Comments: Modified epoxy resin preparation



3. Hazards identification.

Harmful by inhalation and if swallowed. Causes burns. May cause sensitisation by skin contact.

4. First aid measures.

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS. Provide rest, warmth and fresh air. Get medical attention immediately! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious.

Skin: Remove affected person from source of contamination. Rinse the skin immediately with lots of water. Get medical attention promptly if symptoms occur after washing.

Eyes: Remove victim immediately from source of exposure. 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 and get medical attention.

5. Fire-fighting measures.

Extinguishing media: Fire can be extinguished using: Water spray. Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite, etc.

Hazardous combustion products: Fire creates: Toxic gases/vapours/fumes of: Carbon dioxide (CO₂). Carbon monoxide (CO). Oxides of: Nitrogen.

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

6. Accidental release measures.

Personal precaution in spill: Avoid inhalation. Use suitable respiratory protection device, goggles giving complete protection to the eyes, an apron or other protective clothing, boots and plastic or synthetic rubber gloves. Ensure that an eyewash bottle with clean water is available.

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.

Usage Precautions: Handle in well ventilated areas. Avoid skin and eye contact.

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

Storage Criteria: Corrosive storage.



8. Exposure controls and personal protection.

Ingredient Name:

Benzyl Alcohol CAS No. 100-51-8 LT EXP 8 Hrs - No std. ST EXP 15 mins - No std.

Personal protection:**Ventilation:** Provide adequate general and local exhaust ventilation.**Respirators:** No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).**Protective Gloves:** Use protective gloves made of: Nitrile, Viton rubber (fluor rubber). Polyvinylidene chloride/Polyethylene (PVD/PE).**Eye protection:** Wear approved chemical safety goggles where eye exposure is reasonably probable.**Other protection:** Wear appropriate clothing to prevent skin contamination or freezing. Provide eyewash station.**Hygienic work practices:** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes wet.

9. Physical and chemical properties.

Appearance: Liquid.**Colour:** Straw Yellow.**Odour/Taste:** Amine.**Boiling point (°C interval):** 135.**Pressure:** 760mmHg.**pH-Value, conc. Solution:** approx 11.**Solubility description:** Slightly soluble in water.

10. Stability and reactivity.

Stability: Normally stable.**Conditions to avoid:** Reacts strongly with oxidizers. Avoid contact with: Strong alkalis. Strong mineral acids.**Hazardous polymerization:** Will not polymerize**Hazardous decomp. products:** Irritating mixtures generated with: Ammonia or amines.

11. Toxicological information.

Inhalation: May cause irritation to the respiratory system. May cause sensitisation by inhalation.

May cause respiratory allergy.

Ingestion: Causes burns. May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.**Skin:** Corrosive.**Eyes:** Corrosive.

12. Ecological information.

Ecological information: Do not allow product to reach ground water, lakes and water courses or sewage systems.

Dangerous for the environment if discharges into watercourses.

**13. Disposal considerations.**

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

14. Transport information.

UN No. road:	2735
UK road transport class:	8
UN road pack GR:	III
ADR class No:	8
ADR class:	Class 8: Corrosive substances.
ADR item No:	53(c)
ADR marginal:	2801
ADR label No:	8
Hazchem code:	3X
CEFIC TEC(R) No:	80G15
Proper shipping name:	Amines, liquid, corrosive, N.O.S. or polyamines, liquid, corrosive, N.O.S. (Isophoronediamine, m,xylylenediamine).
RID class No:	8
RID item No:	53(c)
UN No. sea:	2735
IMDG class:	8
IMDG page No:	8108-2
IMDG pack GR:	III
EmS No:	8-05
MFAG table No:	See guide
Marine pollutant:	No
UN No. air:	2735
ICAO class:	8
Air pack GR:	III
Air transport notes:	Packing instructions (cargo aircraft) 820.



15. Regulatory information.

Risk phrases:	R20/22	Harmful by inhalation and if swallowed.
	R34	Causes burns.
	R43	May cause sensitisation by skin contact.
Safety phrases:	S1/2	Keep locked up and out of reach of children.
	S20	When using do not eat or drink.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S27/28	After contact with skin, take off immediately all contaminated clothing and wash immediately with plenty of soap and water.
	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S56	Dispose of this material in its container to hazardous or special waste collection point.
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: March 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): R21/22 Harmful in contact with skin and if swallowed. R34 Causes burns. R43 May cause sensitisation by skin contact. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R20/22 Harmful by inhalation and if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin. R22 Harmful if swallowed. R36/38 Irritating to eyes and skin. R10 Flammable. R41 Risk of serious damage to eyes.

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