

Ultra-Rez Pure Epoxy Resin

Safety Data Sheet

(17th April 2012)

(version 1)

Product Identification

Trade Name: 1:1 Pure Epoxy Resin.
Description: A chemical anchoring application.

Hazard Identification

Hazard: Irritating to eyes and skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
PBT: This substance is not identified as a PBT substance.

Hazardous Ingredients

Component	EINECS	CAS Number	CHIP Classification	Percent
Bisphenol A-(epichlorhydrin)	500-033-5	25068-38-6	Xi: R36/38; Sens.: R43; N: R51/53	20-30%
Bisphenol F-(epichlorhydrin)	-	28064-14-4	Xi: R36/38; Sens.: R43; N: R51/53	10-20%
2-Piperazin-1-ylethylamine	205-411-0	140-31-8	Xn: R21/22; C: R34; Sens.: R43; R52/53	3-10%
1,6-Hexandioldiglycidylether	240-260-4	16096-31-4	Xi: R36/38; Sens.: R43; R52/53	3-10%
Benzyl Alcohol	202-859-9	100-51-6	Xn: R20/22	3-10%

Emergency and First Aid

After Eye Contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
After Skin Contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.
After Ingestion: Do not induce vomiting. If conscious, give half a litre to drink immediately. Consult a doctor.
After Inhalation: Move to fresh air in case of accidental inhalation of vapours. If unconscious and breathing is OK, place in the recovery position. Consult a doctor.

Exposure Control/Personal Protection

Workplace Exposure Limit: Not applicable.
Engineering Measures: Ensure there is sufficient ventilation of the area. Ensure all engineering measures mentioned in Handling and Storage section are in place.
Respiratory Protection: Respiratory protection is recommended.
Hand Protection: Protective gloves.
Skin Protection: Impermeable protective clothing.
Eye Protection: Safety glasses.



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Most Important Symptoms And Effects

Skin Contact:	There may be irritation and redness at the site of contact.
Eye Contact:	Causes burns.
Ingestion:	No data available.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed/Immediate Effects:	Not applicable.

Accidental Release Measures

Environmental Precautions:	Do not discharge into drains or rivers.
Clean-Up Procedures:	Transfer to a suitable container. Wash the spillage site with large amounts of water.

Toxicological Information

Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Skin Contact:	There may be irritation and redness at the site of contact.
Eye Contact:	Causes burns.
Ingestion:	No data available.
Relevant Effects for Mixture:	

Effect	Route	Basis
Irritation	OPT DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

Ecological Information

Ecotoxicity Values:	Not applicable.
Persistence:	No data available.
Mobility:	Insoluble in water.
Bio-Accumulative:	Bioaccumulation potential.
PBT Identification:	This substance is not identified as a PBT substance.
Other Adverse Effects:	Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Fire Fighting Measures

Extinguishing Media:	Dry chemical powder. Carbon dioxide. Foam.
Exposure Hazards:	Sealed, heated containers can pressurise leading to explosion. In combustion emits toxic fumes.
Advice for fire-fighters:	Wear self-contained breathing apparatus.



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Physical and Chemical Properties:

Physical Form:	Paste.
Colour:	Various.
Odour:	Characteristic Odour.
Solubility in Water:	Insoluble.
Flash Point °C:	>100
Relative Density:	1.43

Stability and Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	No specific recommendations.
Materials to Avoid:	Oxidising agents. Acids. Amines.
Hazardous Reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
Hazardous Decomposition Products: If exposed to high temperatures it will emit hazardous fumes and smoke.	

Regulatory Information

Labelling:	Irritant	Dangerous for the Environment
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 aquatic environment.	
Safety Phrases:	S2: Keep out of the reach of children S24: Avoid contact with skin S37: Wear suitable gloves S61: Avoid release to the environment. Refer to special instructions/safety data sheets.	
Safety, Health and Environmental:	Not applicable.	
Chemical Safety Assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.	

Handling and Storage

Handling Requirements:	Ensure there is sufficient ventilation of the area. Keep away from heat and sources of ignition.
Storage Conditions:	Store in cool, well ventilated area.
Suitable Packaging:	Must only be kept in original packaging.
Specific End Use(s):	Building and construction work (SU19).



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Transport Information

UN Number:	UN1759
UN Proper Shipping Name:	Corrosive Solid, N.O.S. (Bisphenol A-F Epoxy Resin).
Transport Hazard Class:	8
Packing Group:	II
Tunnel Code:	E
Environmentally Hazardous:	Yes.
Transport Category:	2
Marine Pollutant:	No.

Waste Disposal

Disposal Operations:	Transfer to a suitable container and arrange for collection by specialised disposal company. Small quantities of the product can be mixed and allowed to cure, then can be disposed as solid waste.
Waste Code Number:	08 04 09
Disposal of Packaging:	Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
NB:	The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Other Information

Other Information:	Prepared in accordance with Commission Regulation (EU) No 453/2010
Phrases Used in s.2 and 3:	R20/22: Harmful by inhalation and if swallowed. R21/22: Harmful in contact with skin and if swallowed. R34: Causes burns. 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. R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Disclaimer

The information in this document is offered for general health and safety guidance only and is not intended to be a definitive source of advice, nor does it constitute a risk assessment, for which the user is responsible. All information provided in this document is believed to be accurate to the best of our knowledge. Users of the products referred to should observe the recommendations, conditions and instructions relating to any relevant product label, usage information, consent or approval in force at the time. Further and more specific information may be obtained from the supplier on request (small fee may be required for this service). This company shall not be held liable for any damage resulting from handling or from contact with the above product.