

Product Identification

Trade Name: Polyester Resin
Description: A chemical anchoring application.

Hazardous Ingredients

Component	EINECS	CAS Number	CHIP Classification	Concentration
Styrene	202-851-5	100-42-5	R10; Xn: R20; Xi: R36/38	10-20%
Dibenzoyl Peroxide	202-327-6	94-36-0	[E] R3; [O] R7; [Xi] R36; [Sens.] R43	<1%

Hazard Identification

Hazard: Harmful by inhalation. Irritating to eyes and skin.
PBT: This substance is not identified as a PBT substance.

Emergency and First Aid

After Eye Contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
After Skin Contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. 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. Consult a doctor.

Most Important Symptoms And Effects

Skin Contact: There may be irritation and redness at the site of contact.
Eye Contact: There may be irritation and redness.
Ingestion: No data available.
Inhalation: Harmful by inhalation.
Delayed/Immediate Effects: Not applicable.

Fire Fighting Measures

Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used. Dry chemical powder. Carbon dioxide. Foam. Do not use halons.
Exposure Hazards: Flammable. Sealed, heated containers can pressurise leading to explosion. In combustion emits toxic fumes.
Advice for fire-fighters: Wear self-contained breathing apparatus.



Ultra-Rez Polyester Resin

Safety Data Sheet

(17th April 2012)

(version 1)

Accidental Release Measures

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

Toxicological Information

Inhalation:	Harmful by inhalation.
Skin Contact:	There may be irritation and redness at the site of contact.
Eye Contact:	There may be irritation and redness.
Ingestion:	No data available.

Relevant Effects for Mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH	Hazardous: calculated
Irritation	OPT DRM	Hazardous: calculated

Ecological Information

Ecotoxicity Values:	Not applicable.
Persistence:	No data available.
Mobility in Soil:	Insoluble in water. Heavier than water.
Bio-Accumulative:	No data available.
PBT Identification:	This substance is not identified as a PBT substance.

Physical and Chemical Properties:

Physical Form:	Paste.
Colour:	Various.
Odour:	Characteristic odour.
Oxidising:	Oxidising (by EC criteria).
Solubility in Water:	Insoluble.
Flammability Limits %:	lower: 1.1 Upper: 6.1.
Flash Point °C:	32
Autoflammability °C:	380
Relative Density:	1.58
VOC g/l:	198.6

Stability and Reactivity

Reactivity:	Stable under recommended transport or storage conditions.
Chemical Stability:	Stable under normal conditions. May polymerise on heating.
Conditions to Avoid:	Heat. Air. Sources of ignition. Direct sunlight.
Materials to Avoid:	Acids. Alkalis. Heavy metal compounds. Reducing agents. Organic peroxide.
Hazardous Reactions:	Hazardous reactions will not occur under normal transport or storage conditions.
Hazardous Decomposition Products:	In combustion emits toxic fumes. Pressure rise and possible bursting of containers may follow.

Exposure Control/Personal Protection

Control Parameters:


Hazardous Ingredient: Styrene

Workplace Exposure Limits: Respirable Dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	430 mg/m ³	1080 mg/m ³	-	-

Engineering Measures:	Ensure there is sufficient ventilation of the area.
Respiratory Protection:	Breathing protection is required in inadequately ventilated places. Gas/vapour filter, type A: organic vapours (EN141).
Hand Protection:	Protective gloves.
Skin Protection:	Protective clothing.
Eye Protection:	Safety glasses.

Regulatory Information

Labelling:	Harmful	
Risk Phrases:	R20: Harmful by inhalation. R36/38: Irritating to eyes and skin.	
Safety Phrases:	S2: Keep out of the reach of children. S24: Avoid contact with skin. S37: Wear suitable gloves.	
Precautionary Phrases:	Contains dibenzoyl peroxide. May produce an allergic reaction.	
Classification under CHIP:	Xn: R20; Xi: R36/38	
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.	

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.

Handling and Storage

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

Transport Information

UN Number:	UN3269
UN Proper Shipping Name:	POLYESTER RESIN (STYRENE).
Transport Hazard Class:	3
Packing Group:	III
Tunnel Code:	E

Other Information

Other Information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. Active Oxygen Content of Catalyst Component 0.99%
Phrases Used in s.2 and 3:	R10: Flammable. R20: Harmful by Inhalation. R36/38: Irritating to eyes and skin.

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.