



SAFETY DATA SHEET

Print Date - Jan 2023

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Safety Data Sheet according to regulation (EC) No 1907/2006 & 1272/2008 and amendments

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product Identifier: SOLAREZ® EPOXY Ding Repair

Sku: #75800, #77581, #75802, #75810

Product Description / Synonym: Aliphatic urethane acrylate resin

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST.

Intended/Recommended Use: Industrial applications

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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® indicates trademark registered in the U.S, France, UK, Japan and Australia

2. HAZARDS IDENTIFICATION

Irritation to eyes and skin

GHS Label elements, including precautionary statements

Pictogram

Signal word



Warning

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component / CAS No.	%	EC-No	REACH Registration Number	Classification	Classification according to Regulation (EC) No 1272/2008 (CLP)
Acrylated resin	78-100	-	Not available	Xi R36	Eye Irrit. 2 (H319)
Ethylbenzene dimethacrylate 69-90-5	5-10%	202-617-2	Not available	XI R37/R43	Irritating to respiratory system May cause sensitization by skin contact
Styrene monomer 100-42-5	5-8%	202-851-5	01-2119452449-31	R20, R36/38	HEALTH HAZARDS: H332: Harmful if inhaled H319: Causes serious eye irritation H335: May cause respiratory irritation
Glass Filament 65997-17-3	5-10%	266-046-0	Not available	-	-R38 irritating to skin
2,4,6 Trimethylbenzoyldi- phenylphosphine oxide	<2%	210-037-6	Not available	-	-

4. FIRST AID MEASURES

DESCRIPTION OF FIRST MEASURES

First Aid-Eye Contact:

Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice. Remove contact lenses. **First Aid-**

Skin contact:

Immediately flush with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention immediately. Wash thoroughly after handling.

First Aid-Ingestion: Rinse mouth with water. Never give anything by mouth to an unconscious person.

Obtain medical attention. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.

First Aid-Inhalation:

Remove to fresh air. If not breathing, administer CPR until help arrives or the victim starts to breathe on his own.

If breathing is difficult, give oxygen. Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS,

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDS

General Information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media:

Use water spray or fog, carbon dioxide or dry chemical.

Unsuitable extinguishing media:

Do not use water jet.

SPECIAL HAZARDS ARISING FROM SUBSTANCE OR MIXTURE

Keep containers cool by spraying with water if exposed to fire.

ADVICE FOR FIREFIGHTERS

Protective Equipment:

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing.

See MSDS Section 8 (Exposure Controls/Personal Protection).

6. ACCIDENTAL RELEASE MEASURES

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots.

Environmental Precautions:

None known

Methods and materials for containment and cleaning up:

Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

Reference to other sections:

See Sections 8 and 13 for additional information.

7. HANDLING AND STORAGE

PRECAUTIONARY MEASURES: Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated contact with skin. Use with adequate ventilation. Keep container tightly closed. Wash thoroughly after handling.

Special Handling Statements: Provide good ventilation of working area (local exhaust ventilation if necessary).

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from heat sources and direct sunlight.

Storage Temperature: Store at 4-40°C

Reasons: Quality

VCI Storage Class: 10

Specific end use(s): Composite field repair.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless to pale blue	Evaporation Rate:	Solubility	Not available
Appearance:	Blue viscous liquid	In Water:		Slightly soluble
Odor:	Acrylate	Acid Number (mg KOH/g):		Not available
Boiling Point:	>100°C	Hydroxyl Value (mg KOH/g):		Not available
Melting Point:	Not available	Volatile Organic Content:		Not available
Vapor Pressure:	<0.013 hPa @ 20 °C	Flash Point:		>100°F
Specific Gravity/Density:	1.05	Flammable Limits (% By Vol):		Not available
Vapor density:	Not available	Autoignition temperature:		Not available
Percentage Volatile(% by wt.):	Not available	Decomposition Temperature:		
Solids Content:	>=99%	Partition coefficient (noctanol/water):		Not available
pH:	Not available	Fat Solubility (Solvent-Oil):		Not available
Saturation In Air (% By Vol.):	Not available	Viscosity (Kinematic):		Not available
		Viscosity (Dynamic):		6000-9000 mPa.s @ 60 °C

10. STABILITY AND REACTIVITY

Reactivity: No information available

CHEMICAL STABILITY

Stability: Stable

Conditions to avoid: Avoid direct exposure to sunlight. Avoid temperatures above 60°C (140°F). Avoid friction with temperature increase as result. Avoid exposure to strong UV sources.

POSSIBILITY OF HAZARDOUS REACTION:

POLYMERIZATION: May occur

Conditions to Avoid: Polymerization may cause rapid evolution of heat Hazardous polymerization can occur when exposed to direct sunlight. Hazardous exothermic polymerization can occur when heated. Avoid contact with bases or amines. Avoid contact with strong oxidizing agents. Avoid contact with free radical initiators.

Incompatible materials: Avoid contact with peroxides. Copper, copper alloys, carbon steel, iron and rust. Avoid free radical producing initiators. Contact with alkalis, they can give an exothermic reaction with the product. Unintentional contact with them should be avoided. Avoid contact with reactive metals. Hazardous polymerization may occur.

Hazardous Decomposition

Products: oxides of carbon, smoke, hydrocarbons, soot.

11. TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Likely Routes of Exposures: Eyes, Skin, Oral.

Acute toxicity - oral:Not classified - Based on available data and/or professional judgment, the classification criteria are not met. **Acute**

toxicity - dermal:Not classified - Based on available data and/or professional judgment, the classification criteria are not met. **Acute**

toxicity - inhalation:Not classified - Based on available data and/or professional judgment, the classification criteria are not met. **Skin**

corrosion/irritation: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Serious eye damage / eye irritation: Causes serious eye irritation.

Respiratory sensitization: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Skin sensitization: May cause an allergic reaction.

Carinogenicity:Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Reproductive toxicity: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Specific target organ toxicity (STOT) - repeated exposure: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

Aspiration hazard: Not classified - Based on available data and/or professional judgment, the classification criteria are not met.

PRODUCT TOXICITY DATA

ACUTE TOXICITY DATA

Oral	rat	Acute LD50	>2000 mg/kg
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Dermal	rabbit	Acute LD50	>2000 mg/kg
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Inhalation	rat	Acute LDC50 4 hr	>5mg/l
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LOCAL EFFECTS ON SKIN AND EYE

Acute Irritation	eye	irritating (tested)
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Acute Irritation	dermal	not irritating
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ALLERGIC SENSITIZATION

Sensitization	respiratory	no data
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Sensitization	skin	sensitization
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Assays for Gene Mutations

Ames Salmonella Assay no data

OTHER INFORMATION

The toxicity data above are the results from sponsored studies or from the available public literature. The toxicological properties of this material have not been fully determined. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms such as redness, blistering, dermatitis, etc.

LOCAL EFFECTS ON SKIN AND EYE

Acrylated resin

Acute Eye Irritation rabbit irritating

Acute Dermal Irritation rabbit irritating

12. ECOLOGICAL INFORMATION

The ecological properties of this material have not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

This Company encourages the recycle recovery and reuse of materials, where permitted. If disposal is necessary, This Company recommends that organic materials, especially when classified as hazardous waste, be disposed of by thermal treatment or incineration at approved facilities. All local and national regulations should be followed.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

ADR/RID/ADN: Dangerous Goods? Not applicable / Not regulated

IMO: Dangerous Goods? Not Applicable / Not regulated

ICAO/IATA: Dangerous Goods? Not Applicable / Not regulated

15. REGULATORY INFORMATION

LABELING ACCORDING TO EC DIRECTIVES

Symbol(s): - Irritant

Risk Phrases:

R36/38 - Irritating to eyes and skin.

Safety Phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28 - After contact with skin, wash immediately with plenty soap and water.

Ozone Depleting Substances (Regulation (EC) No 1005/2009): Not applicable

Persistent Organic Pollutants (Regulation (EC) No 850/2004): Not applicable

Substances subject to Authorization (Annex XIV of Regulation (EC) No 1907/2006): Not applicable

Inventory Information

United States (USA):

All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

Canada:

All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL.

Australia:

All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on AICS.

China:

All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

European Economic Area (including EU):

This product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean inventory.

Philippines:

All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine inventory.

16. OTHER INFORMATION

Including date of preparation of the last revision

Reason for Issue: New Format

Classification methods include one or more of the following: use of specific product data, read-across data, modeling, professional judgment or a component based evaluation.

Component Risk and Hazard Phrases

Acrylated resin