

PRECISION SURFACES INTERNATIONAL, INC.

922 Ashland Houston, TX 77008-6734

713-426-2220 Fax: 713-426-2223

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Name: Epoxy Fast Set Resin
Product Identifier: PSI-233-4H
Supplier: Precision Surfaces International, Inc.
922 Ashland, Houston, TX 77008-6734
Emergency Telephone: Infotrac 800-535-5053
Recommended Use: For Industrial Use

SECTION 2: Hazard(s) Identification

Hazard Statements

Causes skin irritation – Category 2

Causes serious eye irritation – Category 2

May cause an allergic skin reaction - Category 1

Pictograms



Precautionary Statements

Prevention

Wash face, hands, and any exposed skin thoroughly after handling. Wear protective gloves, protective clothing, eye protection, and face protection. Avoid breathing dust, fumes, or vapors. Contaminated work clothing should not be allowed out of the workplace.

Response

Specific treatment (see .? on this label). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical advice/attention.

Disposal

Dispose of contents/container in accordance with local, regional, and international regulations.

Other

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS). This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

SECTION 3: Composition/Information on Ingredients

Ingredient	C.A.S. No.	% by Weight
Bisphenol A diglycidyl ether resin	25068-38-6	70 – 90*
Proprietary resin	Proprietary	5 – 15*

*The exact percentage (concentration) of composition may have been withheld as a trade secret.

SECTION 4: First-aid Measures

General Advice

Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion

Not an expected route of exposure. If swallowed, do not induce vomiting. Seek medical advice immediately and show this container or label.

Self-Protection of the First Aider

Pay attention to self-protection. Use personal protective equipment as required.

Note to Physicians

Treat symptomatically.

SECTION 5: Fire-fighting Measures

Extinguishing media

Carbon Dioxide (CO₂), Foam, Dry Chemical

Unsuitable Extinguishing Media

Caution: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising From the Chemical

Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water ways. Dike for water control.

Hazardous Combustion Products

Irritating or toxic substances may be emitted upon burning, combustion, or decomposition. See Section 10 Hazardous Decomposition Products for additional information.

Explosion Data

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Firefighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ventilate affected area. Extremely slippery when wet.

Other Information

Use personal protective equipment as required.

For Emergency Responders

Use personal protective equipment as required.

Environmental Precautions

See Section 12 for additional Ecological Information. Do not allow into any sewer, on the ground or into any body of water.

Methods and Material for Containment and Cleaning Up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Pick up and transfer to properly labeled containers.

SECTION 7: Handling and Storage

Precautions for Safe Handling

Advice for Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including any Incompatibilities

Keep containers tightly closed in a dry, cool, and well-ventilated place. Store and handle away from heat, flames, and oxidizing materials.

Incompatibilities

Strong oxidizing agents, strong acids, strong bases, copper, copper alloys, iron, carbon steel, rust, exothermic reaction may occur if exposed to these metals.

SECTION 8: Exposure Controls/Personal Protection

Engineering Controls

Showers, Eyewash stations, Ventilation systems

Personal Protective Equipment

Eye Protection

Safety glasses or chemical goggles.

Skin Protection

Wear protective gloves and protective clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear, Light Yellow color
Odor:	Mild
pH:	No Information Available
Melting Point/Freezing Point:	No Information Available
Boiling Point/Range:	>250°C
Flash Point:	>250°C Closed Cup
Evaporation Rate:	No Information Available
Flammability (solid, gas):	No Information Available
Flammable Limits (LEL):	No Information Available
Flammable Limits (UEL):	No Information Available
Vapor Density:	No Information Available
Vapor Pressure:	No Information Available
Specific Gravity:	1.14
Water Solubility:	Negligible
Solubility in Other Solvents:	No Information Available
Autoignition Temperature:	No Information Available
Percent volatile:	No Information Available
Partition Coefficient:	No Information Available
Kinematic Viscosity:	1930cSt
Dynamic Viscosity:	220cps @25°C
Explosive Properties:	Not an explosive
Oxidizing Properties:	No Information Available
Softening Point:	No Information Available
Molecular Weight:	No Information Available
Density:	9.5 pounds/gallon

SECTION 10: Stability and Reactivity

Reactivity

This product has not been tested.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Extremes of temperature and direct sunlight. Mixture with or exposure to incompatible material.

Incompatible Materials

Strong oxidizing agents, strong acids, strong bases, copper, copper alloys, iron, carbon steel, rust, and exothermic reaction may occur if exposed to these metals.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide (CO₂), aldehydes, aromatic hydrocarbons. May emit toxic fumes under fire conditions.

SECTION 11: Toxicological Information

Routes of Exposure

Product Information

This product has not been tested.

Inhalation

Remove to fresh air. May cause irritation.

Skin Contact

Avoid contact with skin. May cause irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Eye Contact

Vapor may cause irritation. Avoid contact with eyes. Contact with eyes may cause irritation.

Ingestion

Not an expected route of exposure. Harmful if swallowed.

Substance	LD50 (Oral, Dermal)	LC50 (Inhalation)
Bisphenol A diglycidyl ether resin 25068-38-6	= 11400 mg/kg (Rat)	None available
Proprietary resin	= 5 g/kg (Rat) = 3600 ml/kg (Rabbit)	None available

Reproductive	Mutagenicity	Carcinogenicity	Teratogenicity
N/A	N/A	N/A	N/A

Information on toxicological effects

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation	Irritating to eyes.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	May cause sensitization of susceptible persons. Repeated or prolonged contact may cause allergic reactions in very susceptible persons.
Germ cell mutagenicity	No information available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.
Reproductive toxicity	No information available.
STOT – Single exposure	No information available.
STOT – Repeated exposure	No information available.
Chronic Toxicity	Repeated contact may cause allergic reactions in very susceptible persons.
Aspiration Hazard	No information available.
Numerical Measures of Toxicity – Product Information	
The following values are calculated based on chapter 3.1 of the GHS document	
ATEmix (oral)	10127 mg/kg
ATEmix (dermal)	36254 mg/kg

SECTION 12: Ecological Information

- Eco-toxicity**
No information available. 10% of the mixture consists of component(s) of unknown hazards to the aquatic environment.
- Persistence and Degradability**
No information available
- Other Adverse Effects**
No information available

SECTION 13: Disposal Considerations

- Disposal should be in accordance with applicable regional, national, and local laws and regulations.
- Contaminated Packaging**
Do not reuse container.

SECTION 14: Transport Information

- NOTE on TRANSPORT IN BULK: A197 – Not restricted provided that the net quantity in any receptacle does not exceed 5 kg or 5L and the packaging meets defined standards.
- DOT**
Not regulated
- ICAO (air)/IATA/IMDG**
- UN Number**
UN3082

UN Proper Shipping Name

Environmentally Hazardous substance Liquid N.O.S. (Bisphenol A epoxy resin)

Transport Hazard Class

9

Packing Group

III

Environmental Hazards

N/A

Special Precautions for Transport

This product contains a chemical which is listed as a marine pollutant according to IMDG/IMO.

SECTION 15: Regulatory Information**International Inventories****TSCA**

All components of this product are either exempt or included on the TSCA Inventory in compliance with the Toxic Substances Control Act.

EINECS

All components are listed or exempted.

Legend

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard: Yes

Chronic Health Hazard: Yes

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund

Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

The following chemicals may be contained in this product in de minimis amounts not required for listing in section 3. However, these chemicals do appear on some state Right-to-Know (RTK) and/or other hazardous substance lists. Please check your state’s listings for more information.

California Proposition 65

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Glycidyl phenyl ether – 122-60-1	Carcinogen; Mal Reproductive

EPA Pesticide Registration Number

Not applicable

SECTION 16: Other Information

NFPA Hazard Classification

Health: 2 Flammability: 1 Instability: 2 Hazards: 0

HMIS Hazard Classification

Health: 2 Flammability: 1 Physical Hazard: 2 Protection: X

0=minimal hazard 1=slight hazard 2=moderate hazard 3=serious hazard 4=extremely hazard

The above information and recommendation are believed to be accurate and reliable. However, no warranty, either expressed or implied, is made as to its accuracy or completeness and none is made as to fitness of this material for any purpose. The manufacturer or supplier shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.

Abbreviations

NA – Not Applicable	ND – Not Determined	NE – Not Established
LC – Lethal Concentration	TC – Toxic Concentration	BOD – Biological Oxygen Demand
Lo-Lowest	TLm – Threshold Limit	DOC – Dissolved Organic Carbon

Issue Date: 10/02/15 **Review Date:** 05/23/17