

# SAFETY DATA SHEET

## 1. IDENTIFICATION

- 1.1** Product identifier  
 Trade name : PSC 2301ClearGuard Epoxy Resin Part "A":  
 Chemical name : Bisphenol A Diglycidyl Ether Resin Solution
- 1.2** Recommended use of the product and restrictions on use  
 Recommended use : Industrial Use  
 Non- recommended use(s) : None known
- 1.3** Details of the supplier of the safety data sheet  
 Company : Polymer Science Corporation.  
 : Unit 1133, 6027 – 79 Avenue S.E  
 : Calgary, Alberta. Canada T2C 5P1  
 Telephone : 403 287 2751  
 Fax : 403 287 2766  
 Website : www.polymersciencecorp.com
- 1.4** Emergency telephone number  
 Emergency : In case of emergency call CANUTEC: 613-996-6666

## 2. HAZARD IDENTIFICATION

- 2.1** Classification of the substance or mixture  
 Eye Irritant : Category 2B  
 Skin Irritant
- 2.2** Label Elements  
 Symbol :



- Signal word : Warning  
 Hazard statement : Causes eye irritation  
 : Causes skin irritation  
 : May cause an allergic skin reaction  
 : Toxic to aquatic life with long lasting effects
- Precautionary Statements : Wear protective gloves / protective clothing / eye protection / face protection.  
 : Use only outdoors or in a well ventilated area.  
 : Avoid release to the environment

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1** Substances  
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- 3.2** Mixtures

Chemical Name	C.A.S.#	Concentration
Bisphenol A Diglycidyl Ether Resin	25068-38-06	75 - 95

## 4 FIRST AID MEASURES

- EYE CONTACT:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. If eye irritation persists: Get medical attention.
- SKIN CONTACT:** Wash with soap and water or use waterless hand cleaners. Do not use solvents or thinners to clean skin. Get medical attention if irritation persists.
- INHALATION:** Should symptoms develop, remove victim to fresh air. If breathing is difficult, qualified personnel may administer oxygen. If victim is not breathing start artificial respiration. Get medical attention.
- INGESTION:** Give liquids if victim is conscious. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed by a physician. Immediately call a POISON CENTER / Doctor

## 5 FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media  
Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam  
Unsuitable extinguishing media : Full water jet, because this may spread the fire.
- 5.2 Hazards  
Flammable properties and hazards : Product is not considered a fire hazard. Containers can build up pressure if exposed to heat.  
Hazardous combustion products : Hazardous decomposition products formed under fire conditions are Carbon dioxide and Carbon monoxide.
- 5.3 Fire-fighting instructions:  
Do not inhale combustion gases. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## 6 ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures.  
Use personal protective equipment. Wear chemical safety glasses, rubber boots and heavy rubber gloves.  
Ensure adequate ventilation
- 6.2 Environmental precautions  
Do not allow to enter drains, waterways, sewers, basements or confined areas.  
Do not discharge into the subsoil / soil. Absorb spills with inert material and place in a chemical waste container.

## 7 HANDLING AND STORAGE

- 7.1 Precautions for safe handling  
Avoid all personal contact. Use personal protective equipment. Use adequate ventilation.
- 7.2 Hygiene considerations.  
Wash hands before breaks and after work. Remove soiled or soaked clothing immediately. Wash contaminated clothes before reuse. Do not eat, drink or smoke when handling this product.
- 7.3 Safe storage procedures  
Keep away from heat. Keep containers tightly closed in a dry well ventilated place.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 EXPOSURE LIMITS

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	OTHER LIMIST
Bisphenol A Diglycidyl Ether Resin	25068-38-6	No data	No data	No data

### 8.2 EXPOSURE CONTROLS

#### ENGINEERING CONTROLS

Good general ventilation should be sufficient to control airborne levels.

#### PERSONAL PROTECTIVE EQUIPMENT

Respiratory Equipment	: Normally when good engineering controls are used, no respiratory protection is needed
Eye Protection	: Use tightly fitting chemical splash goggles. Wear face protection, wear as appropriate.
Hand Protection	: Use impermeable gloves. Neoprene gloves
Body Protection	: Use impervious clothing and chemical resistant boots. Consider using resistant coveralls and aprons, if extensive exposure is possible.
Other Protective Equipment	: Ensure that eyewash stations and safety showers are close to the workstation location.
General Hygiene Consideration	: Do not breathe mist or vapor. Avoid all contact. Do not eat, drink, or smoke when using this product. Wash thoroughly after handling. Remove and wash contaminated clothing before re-use. Do not take contaminated clothes home.
Environmental Exposure Controls	: Avoid runoff into storm sewers and ditches which lead to waterways. May be hazardous to the environment if released in large quantities

## 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: Not Applicable
Vapor Density	: Not Applicable
Boiling Point	: Not Applicable
PH	: Not Applicable
Specific Gravity	: 1.0 – 1.2 g/ cm <sup>3</sup>
Viscosity	: 2500 cP
VOC content	: 0
Evaporation rate	: Slower than n-Butyl Acetate
Solubility in water	: Negligible
Other Properties	: Clear, slightly yellow liquid

## 10 STABILITY AND REACTIVITY

Stability	: Stable under normal conditions
Hazardous Polymerization	: Will not occur under normal conditions
Conditions to avoid	: High temperatures
Incompatibility with other materials	: Oxidizing materials, acid, alkalis, peroxides.

## 11 TOXICOLOGICAL INFORMATION

- 11.1 Toxicological Information  
May cause sensitization by skin contact.
- 11.2 Chronic Toxicological Effects  
Skin sensitization.
- 11.3 Irritation or Corrosion  
Skin Irritation. Irritating to eyes.
- 11.4 Symptoms related to Toxicological Characteristics  
Skin Irritation. Slight Irritant to eyes.

## 12 ECOLOGICAL INFORMATION

- 12.1 General Ecological Information  
Avoid release to the environment. Toxic to aquatic life with long lasting effects.
- 12.2 Ecotoxicity  
Toxic to aquatic organisms (LC50 between 1 and 10 mg/L)
- 12.3 Persistence and degradability.  
Not readily biodegradable.
- 12.4 Bioaccumulation potential  
No data available
- 12.5 Mobility in soil  
Not reported, unknown.

## 13 DISPOSAL CONSIDERATIONS

Waste Disposal Method  
Incinerate or dispose of unused material, residues and containers in a licensed facility in accordance with all applicable local, state and federal regulations.  
Do not discharge substance/product into sewage system.

## 14 TRANSPORTATION INFORMATION

- 14.1 Identification, UN number : Not Regulated
  - 14.2 Shipping Name : Epoxy Resin
  - 14.3 Hazard Class : Not Applicable
  - 14.4 Packing Group : Not applicable
- Transport over land ADR/RID : Not regulated for transport  
Transport over sea IMDG : Not regulated for transport  
Transport by air ICAO/IATA : Not regulated for transport

## 15 OTHER INFORMATION

Preparation Date : November 7, 2016  
SDS prepared by : Polymer Science Corp. 403 287 2751

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