

SAFETY DATA SHEET

Product Name: Resinate Casting Resin Part A

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Resinate Casting Resin Part A
SYNONYMS: Epoxy Resin
PRODUCT USE / CLASS: Epoxy Coating

MANUFACTURER: PSC Polymer Science Corporation
ADDRESS: #1133, 6027 – 79 Avenue S.E., Calgary, Alberta, Canada T2C 5P1
TELEPHONE: (403) 287 - 2751
FAX: (403) 287-2766
Web: www.polymer-sciencecorp.com

IN CASE OF AN EMERGENCY CALL: CANUTEC: (613) 996-6666 (24 hours)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

CLEARGUARD / RESIN HAZARDOUS INGREDIENTS	C.A.S.#	WEIGHT %
Bisphenol A Diglycidyl Ether Resin	25068-38-06	75 - 95
Aliphatic C12-C14 Glycidyl Ether	68609-92-2	2 - 10

SECTION 3: HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYE CONTACT: Moderate irritant
SKIN CONTACT: Potential sensitizer
INHALATION: Not available
INGESTION: Low toxin
GENERAL: Repeated skin contact may cause a persistent irritation or dermatitis.

WHMIS Symbols



SECTION 4: FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water for at least 15 minutes. 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. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	N/A	LOWER EXPLOSIVE LIMIT:	N/A
FLASH POINT METHOD:	N/A	UPPER EXPLOSIVE LIMIT:	N/A
OSHA FLAMMABILITY CLASSIFICATION:	N/A	AUTOIGNITION TEMPERATURE:	N/A
EXTINGUISHING MEDIA:	Use water fog, foam, dry chemical or CO ₂		
FIRE FIGHTING PROCEDURES:	Wear self-contained positive pressure breathing apparatus, (MSHA / NIOSH approved or equivalent) and full protective gear. Containers can build up pressure if exposed to heat. Cool with water spray.		

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use personal protective equipment as described in Section 8. Absorb spills with inert material and place in a chemical waste container. Obey relevant local, state, provincial, and federal laws and regulations.

SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid all personal contact. Use personal protective equipment as described in Section 8. Use adequate ventilation. For industrial use only.
STORAGE: Keep away from heat. Keep containers tightly closed.

SECTION 8: PERSONAL PROTECTION

EXPOSURE LIMITS:	VALUE	LIMIT	REFERENCE
Bisphenol A Diglycidyl Ether Resin	N/A	TWA	OSHA / ACGIH
		STEL	OSHA / ACGIH
Aliphatic C12-C14 Glycidyl Ether	N/A	TWA	OSHA / ACGIH
		STEL	OSHA / ACGIH

ENGINEERING CONTROLS: Use adequate ventilation
RESPIRATORY PROTECTION: Respiratory protection meeting OSHA 1910.134 and ANSI Z88.2 or applicable federal / provincial requirements must be followed whenever workplace conditions warrant a respirator use.
EYE PROTECTION: Use chemical splash goggles
SKIN PROTECTION: Use impermeable gloves
OTHER PROTECTIVE EQUIPMENT: Wear protective apron if splashing or repeated contact is likely.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

VAPOR PRESSURE:	N/A	VISCOSITY:	N/A
VAPOR DENSITY:	N/A	VOC CONTENT (lbs / gal)	0.0
BOILING POINT:	N/A	EVAPORATION RATE:	Slower than n-Butyl Acetate
pH:	N/A	SOLUBILITY IN WATER:	Negligible
SPECIFIC GRAVITY:	1.0 – 1.2 g/cm ³	OTHER PROPERTIES:	Clear, slightly yellow liquid

SECTION 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, acids, alkalis, peroxides

SECTION 11: TOXICOLOGICAL PROPERTIES

CHEMICAL NAME	ORAL LD 50	DERMAL LD 50	INHALATION LC 50
Bisphenol A Diglycidyl Ether Resin	11.4 g/kg (rat)	N/A	N/A
Aliphatic C12-C14 Glycidyl Ether	> 2000 mg/kg (rat)	> 2000 mg/kg	N/A

These components are not listed by the International Agency for Research on Cancer (IARC)

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to aquatic organisms (LC50 between 1 and 10 mg/L)

SECTION 13: DISPOSAL CONSIDERATIONS

Follow all MSDS / label precautions even after container is emptied because it may retain product residue. Empty containers and waste must be disposed in accordance with federal, state, provincial, and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

TECHNICAL SHIPPING NAME: Epoxy resin
HAZARD CLASS OR DIVISION: Not regulated
TDG:
CLASSIFICATION:

SECTION 15: REGULATORY INFORMATION

CANADIAN WHMIS CLASSIFICATION:	Class D Division 2 Subdivision B (Toxic Material)	
OSHA:	This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard	
CLEAN AIR ACT SECTION 112:	This product contains the following components listed as Hazardous Air Pollutants:	None
	The products contain the following components listed as Extremely Hazardous Air Pollutants:	None
SARA SECTION 302:	The products contain the following components listed as Extremely Hazardous Substances:	None
SARA SECTION 311/312:	Hazard Classification:	Immediate (acute)
SARA SECTION 313:	The products contain the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Authorization Act of 1986 and 40 CFR Part 372:	None
TSCA:	The products or their components are listed in or exempt from the TSCA inventory requirements.	None
	The products contain the following non-proprietary substances subject to export notification under Section 12(b) of TSCA:	None

SECTION 16: OTHER INFORMATION

The information is furnished without warranty, representation, inducement, license of any kind, except that it is accurate to the best of Resinate's knowledge or obtained from sources believed by to be accurate and Resinate does not assume any legal responsibility for use or reliance on same. Customers are encouraged to do their own tests before application.

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