



Semcoat GF Resin

SECTION 1. IDENTIFICATION

Product Identifier Semcoat GF Resin
Other Means of Identification Semcoat GF Resin (Red), and Semcoat GF Resin (Gray)
Product Family Epoxy Resin
Recommended Use Mixed with another component to form a corrosion-resistant coating.
Restrictions on Use None known.
Manufacturer/Supplier Identifier The Stebbins Engineering and Manufacturing Company, 363 Eastern Boulevard, Watertown, NY, 13601, (315) 782-3000, www.stebbinseng.com
Emergency Phone No. Chemtrec - Within North America, 1-800-424-9300, 24 hours
Stebbins 24 Hour Contact-, 1-315-788-6624
SDS No. 076

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2B; Respiratory sensitization - Category 1B; Skin sensitization - Category 1; Aquatic hazard (Acute) - Category 3; Aquatic hazard (Chronic) - Category 2

Label Elements



Signal Word:
Danger

Hazard Statement(s):

H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H320 Causes eye irritation.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H402 Harmful to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statement(s):

P261 Avoid breathing vapours.
P264 Wash hands and skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.

Product Identifier: Semcoat GF Resin - Ver. 4
Date of Preparation: November 30, 2015
Date of Last Revision: May 14, 2020

SDS No.: 076

Page 01 of 07

- P271 Use only outdoors or in a well-ventilated area.
 P273 Avoid release to the environment.
 P280 Wear protective gloves.
 P284 In case of inadequate ventilation wear respiratory protection (NIOSH approved air-purifying respirator with an organic vapour cartridge).
 P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
 P302 + P352 IF ON SKIN: Wash with plenty of water.
 P304 + P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
 P337 + P313 If eye irritation persists: Get medical advice/attention.
 P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.
 P363 Wash contaminated clothing before reuse.
 P391 Collect spillage.
 P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
epoxy resin - trade secret		< 75%		
epoxy reactive diluent - trade secret		< 15%		
flake glass		< 5%		
Titanium dioxide	13463-67-7	< 4%		
iron oxide (in red version of resin)		< 4%		
black pigment (in gray version of resin)		< 1%		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Move to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

This product presents no unusual hazards in a fire situation.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

Product Identifier: Semcoat GF Resin - Ver. 4

SDS No.: 076

Date of Preparation: November 30, 2015

Date of Last Revision: May 14, 2020

Page 02 of 07

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas. Minimize the use of water to prevent environmental contamination.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Do not direct water at spill or source. Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do NOT eat, drink or store food in work areas. Do not get in eyes, on skin or on clothing. Avoid repeated or prolonged skin contact. Only use where there is adequate ventilation. Do not swallow. Avoid release to the environment. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Conditions for Safe Storage

Store in an area that is: cool, well-ventilated. Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear approved safety glasses.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

No PPE is required for handling this product. However, the hardener associated with the product does require PPE. Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Red - grey liquid.
Odour	Aromatic
Odour Threshold	Not available
pH	Neutral
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Boiling Range	Not available

Product Identifier: Semcoat GF Resin - Ver. 4

SDS No.: 076

Date of Preparation: November 30, 2015

Date of Last Revision: May 14, 2020

Page 03 of 07

Flash Point	> 200 °F (93 °C)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable (liquid).
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 1.2
Solubility	Insoluble in water
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Bulk Density	~ 73.258 lb/ft3 (1174.000 kg/m3)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Polymerizes in the presence of amines. Releases a large amount of heat.

Conditions to Avoid

Incompatible materials. Acidic conditions (low pH). Alkaline conditions (high pH).

Incompatible Materials

Releases excessive heat on contact with: amines (e.g. triethylamine). Avoid: strong acids (e.g. hydrochloric acid), strong bases (e.g. sodium hydroxide).

Hazardous Decomposition Products

Irritating chemicals.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
epoxy resin - trade secret	Not available	> 5,000 mg/kg (male rat)	> 2,000 mg/kg (male rat)
epoxy reactive diluent - trade secret	1220 ppm (rat) (4-hour exposure) (gas)	> 2000 mg/kg (rat)	Not available

Skin Corrosion/Irritation

May cause mild irritation based on information for closely related chemicals.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials. The vapour also irritates the eyes.

Product Identifier: Semcoat GF Resin - Ver. 4

SDS No.: 076

Date of Preparation: November 30, 2015

Date of Last Revision: May 14, 2020

Page 04 of 07

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May cause nose and throat irritation.

Ingestion

May cause irritation of the mouth, throat and stomach.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Following skin contact: symptoms may include dry, red, cracked skin (dermatitis).

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
epoxy resin - trade secret	Not Listed	Not Listed	Not Listed	Not Listed
epoxy reactive diluent - trade secret	Not Listed	Not designated	Not Listed	Not Listed

Not known to cause cancer.

This product contains titanium dioxide, which some agencies consider a possible carcinogen when inhaled. However, the titanium dioxide in this product is not in respirable form, and thus is not expected to present any such inhalation hazards.

Reproductive Toxicity

Development of Offspring

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
epoxy resin - trade secret	0.55 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; semi-static)	1.6 mg/L (Daphnia magna (water flea); 48-hour; static)	1.8 mg/L (Selenastrum capricornutum (algae); 72-hour; static)	Not available
epoxy reactive diluent - trade secret	> 130 mg/L (Pimephales promelas (fathead minnow); 96-hour)	< 10 mg/L (Daphnia magna (water flea); static)	Not available	Not available

Chronic Aquatic Toxicity

Product Identifier: Semcoat GF Resin - Ver. 4

SDS No.: 076

Date of Preparation: November 30, 2015

Date of Last Revision: May 14, 2020

Page 05 of 07

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
epoxy resin - trade secret	0.3 mg/L (Daphnia magna (water flea); 21-day; semi-static)	Not available	Not available	Not available
epoxy reactive diluent - trade secret	Not available	Not available	Not available	Not available

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction. This product and its container must be disposed of as hazardous waste. Do NOT dump into any sewers, on the ground or into any body of water. Treat waste in an approved waste disposal facility. Dispose of or recycle empty containers through an approved waste management facility.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
US DOT		Non-Regulated		
IMO (Marine)	UN3082	environmentally hazardous substance, liquid, n.o.s. (Bisphenol F epoxy resin)	9	II
IATA (Air)	UN3082	environmentally hazardous substance, liquid, n.o.s. (Bisphenol F epoxy resin)	9	II
Canadian TDG		Non-Regulated		

Environmental Hazards Marine Pollutant (epoxy resin - trade secret)

Special Precautions Please note: Not regulated by D.O.T. if in a packaging of less than 119 gallons, except when all or part of the transportation is by vessel.

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

Emergency Response Guide No. 171

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL or are not required to be listed.

Product Identifier: Semcoat GF Resin - Ver. 4

SDS No.: 076

Date of Preparation: November 30, 2015

Date of Last Revision: May 14, 2020

Page 06 of 07

CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 2	Flammability - 1	Instability - 0
SDS Prepared By	B.E.R		
Phone No.	(315) 782-3000		
Date of Preparation	November 30, 2015		
Date of Last Revision	May 14, 2020		
Revision Indicators	Revision 4 The following SDS content was changed on May 14, 2020: reviewed and approved		
Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists HSDB® = Hazardous Substances Data Bank IARC = International Agency for Research on Cancer NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration RTECS® = Registry of Toxic Effects of Chemical Substances		
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).		
Disclaimer	NOTE: The information contained herein is, to the best of our knowledge, accurate and reliable. However, no warranty is expressed or implied regarding the accuracy of this information, or the results to be obtained from the use thereof.		