Safety Data Sheet

1. Product and Company Identification

Product Name: EpoPro® 8765-2A
Material Uses: Adhesive, sealing, and coating resin
(M)SDS#: 8765-2A-20180605
Validation Date: June-05-2018
Supplier/Manufacturer: Specialty Polymers & Services, Inc. (SP&S, Inc.)
27822 Fremont Court
Valencia, California (CA) 91355, U.S.A.
Non-emergency phone number: (661) 294-1790 (7AM – 5PM PST)
E-mail: msds@spolymers.com

In case of emergency: Chemtrec (800) 424-9300 or (703) 527-3887

2. Hazards Identification

GHS CLASSIFICATION OF SUBSTANCE OR MIXTURE:

Skin corrosion/irritation:	Category 2, H315	Eye damage/irritation:	Category 2, H319
Skin sensitization:	Category 1, H317	Aquatic Hazard, Chronic:	Category 2, H411
Specific Target Organ Toxicity - Single Exposure:	Category 1, H370	Specific Target Organ Toxicity - Repeated Exposure:	Category 1, H372
Aquatic Hazard, Acute:	Category 2, H401		

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:

SIGNAL WORDS: Danger!

HAZARD STATEMENTS:

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H370 Causes damage to organs (central nervous system).
H401 Toxic to aquatic life.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H372 Causes damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS:

PREVENTION:
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/fume/mist/vapors/spray.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves, clothing, and eye/face protection.

RESPONSE:
P301+P330+P331+P312 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call POISON CENTER and/or doctor if you feel unwell.

P303+P361+P364+P353+P352 IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. Wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical attention.
P304+P340 IF INHALED: 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.
P337+P313 If eye irritation persists: Get medical advice/attention.
P308+P313 IF exposed or concerned: Get medical attention.
P314 Get medical advice/attention if you feel unwell.
P391 Collect spillage.

STORAGE: P405 Store locked up.

DISPOSAL: P501 Dispose of contents and containers in accordance with local, regional and international regulations.

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS) – Annex III

See toxicological information (section 11)
General Information: Read entire MSDS for a more thorough evaluation of the hazards

3. Composition / Information on Ingredients

Name	CAS Number	%
Bisphenol A epoxy resin	25068-38-6	5 - 30
p-tert-butylphenyl 1-(2,3-epoxy) propyl ether	3101-60-8	1 - 5
1,4-Butanedioldiglycidyl Ether	2425-79-8	1 - 5
Glycidoxypropyltrimethoxysilane	2530-83-8	1 - 5

Amounts specified are typical and do not represent a specification. Remaining components are proprietary, non-hazardous, and/or present at amounts below reportable limits.

4. First Aid Measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.
Skin Contact:	In case of contact, wash affected areas with plenty of water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before re-use. Get medical attention if irritation occurs.
Inhalation:	Move exposed person to fresh air. If not breathing, give artificial respiration or oxygen. If breathing is difficult, transport to medical care and, if available, give supplemental oxygen. Loosen tight clothing such as a collar, tie, belt, or waistband. Get immediate medical attention.
Ingestion:	Wash out mouth with water. If swallowed dilute by giving two (2) glasses water to drink. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get immediate medical attention.
Note to physician:	No specific treatment. Treat symptomatically. Call poison control center if large quantities were ingested.

5. Fire-Fighting Measures

Flash point:	>93.4°C (>200.12°F) closed cup
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, formaldehyde, halogenated compounds, and other oxides. Burning produces obnoxious and toxic fumes. In a fire or if heated, a pressure increase may occur, and the container may burst.
Extinguishing Media:	Carbon dioxide, foam, dry chemical, water spray as suitable for the surrounding fire.
Special Exposure Hazards:	Promptly isolate the scene by removing all persons from the vicinity of the fire. No actions shall be taken involving any personal risk or without suitable training.
Special Protective equipment for fire-fighters:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal Precautions:	No actions shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering area. Do not touch or walk through spilled material. Avoid breathing vapor or mist and provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	Avoid dispersal of spilled material and runoff that leads to contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution.
Methods of Clean Up:	Stop leak if without risk. Move containers from spill area. Approach spill from up wind if possible. Prevent spill from entering sewers, rivers and other water courses, basements, or confined areas. Wash into effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Dispose of only using a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information.

7. Handling and Storage

Handling:	Wear appropriate personal protective equipment (see Section 8) when handling. Eating, drinking, and smoking should be prohibited in areas where chemicals are handled, stored, or processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Persons with a history of skin sensitization problems should not be employed in processes where this material is used. Keep in the original container or a suitable alternate made from a compatible material. Keep all containers tightly closed when not in use. Empty containers retain product residue and should be disposed of properly. Do not reuse empty containers for other purposes or to hold other materials.
Storage:	Store in accordance with local regulations. Store in original containers, at 15°C - 35°C. Keep away from incompatible materials (see Section 10) and food and drink. Keep all containers tightly closed when not in use and tightly re-seal after use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure Controls / Personal Protection

Recommended Monitoring Procedures:	If this product contains ingredients with exposure limits, personal, workplace, atmospheric, or biological monitoring may be required to determine the effectiveness of the ventilation system or other control measures and/or to determine whether it is necessary to use respiratory protective equipment. Consider European Standard EN 689 or similar industry or governmental guidelines for appropriate methods for the assessment of exposure by inhalation to chemical agents and/or hazardous substances.
Engineering measures:	No special ventilation requirements are necessary for this product. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation, or other engineering controls to keep worker exposure below the recommended or statutory limits
Hygiene measures:	Wash hands, forearms, and face thoroughly after handling any chemical products, before eating, smoking, and using the lavatory and at the end of the work period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection

Respiratory:	A respiratory protection program in compliance with 29CFR1910.134, or other applicable regulatory standard must be followed whenever exposure limits may be exceeded. If engineering controls are not feasible, or if inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hands:	Wear neoprene, nitrile rubber or other suitable impervious gloves; consider European Standard EN374 or similar industry or governmental guidelines. Consider the parameters specified by the glove manufacture and check gloves during use to ensure they are retaining their protective properties. Gloves selected must have a breakthrough rating appropriate for the work shift. If a risk assessment indicates that it is necessary, gloves should always be worn when handling chemical products.
Eyes:	When a risk assessment indicates, safety eyewear complying with an approved standard, such as OSHA Standard 29CFR1910.133 or European Standard EN166, should be used to avoid exposure to

	liquid splashes, mists, or dusts. If contact is possible, at a minimum use chemical splash googles. If significant splash hazard may occur, consider using a full-face shield.
Skin:	Personal Protective equipment for the body should be selected based on the task being performed and the risks involved. Typical protective equipment includes non-absorbent lab coats, disposable protective sleeves, coats, or whole-body suits. Consider CFR1910.132 and CFR1910.136 for OSHA approved standards on protective clothing and footwear. Consider seeing a safety specialist to determine the appropriate level of protection for your task.
Environmental Exposure Controls:	Emissions from ventilation or work processes should be checked to ensure they comply with the requirements of environmental regulations. In some cases, fume scrubbers, filters, or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

Appearance:	Black liquid	Odor	Faint to slight epoxy odor
Boiling Point:	>148°C (>298.4°F)	Freezing Point:	Not determined
Flash Point:	>93.4°C (>200.12°F) closed cup	pH:	Not determined
Auto-ignition Temperature:	Not determined	Flammable Limits:	Not determined
Vapor Pressure:	< 1.1 mm Hg at 20°C (68 °F)	Water Solubility:	Practically insoluble
Specific Gravity:	3.596	Vapor Density:	Not determined
Evaporation Rate:	<1 (butyl acetate =1)	VOC:	Not determined
Viscosity:	102,800 cP		

10. Stability and Reactivity

Chemical Stability:	This product is stable, under normal conditions of storage and use, hazardous reactions will not occur.
Hazardous Polymerization:	Under normal conditions of storage and use, hazardous polymerization will not occur. Polymerizes exothermically with amines, mercaptans and Lewis acids at ambient temperature and above.
Conditions to Avoid:	High temperatures and exposure to strong oxidizing agents, acids, bases, alkalis, amines, and mercaptans
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition products may include the following materials: carbon dioxide, carbon monoxide, formaldehyde, halogenated compounds, and other oxides. Burning produces obnoxious and toxic fumes.

11. Toxicological Information

Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
Bisphenol A epoxy Resin	-	LC50 Inhalation Vapor	Rat – Male	0.00001 ppm
	OECD 402 Acute Dermal Toxicity	LD50 Dermal	Rat – Male & Female	>2,000 mg/kg
	OECD 420 Acute Oral Toxicity – Fixed Dose	LD50 Oral	Rat – Female	>2,000 mg/kg
p-tert-butylphenyl 1-(2,3-epoxy) propyl ether	OECD 425 Acute Oral Toxicity	LD50 Oral	Rat – Female	>2,000 mg/kg
	OECD 402 Acute Dermal Toxicity	LD50 Dermal	Rat – Male & Female	>2,000 mg/kg
1,4-Butanedioldiglycidyl Ether	-	LC50 Inhalation	Rat	>11.3 mg/l (4 h)
	-	LD50 Dermal	Rabbit	1,130 mg/kg
	OECD 401 Acute Oral Toxicity	LD50 Oral	Rat	1,163 mg/kg
Glycidoxypropyltrimethoxysilane	-	LC50 Inhalation Dust/Mist	Rat	> 5.3 mg/l (4 h)
	-	LD50 Dermal	Rabbit	4,248 mg/kg
	-	LD50 Oral	Rat – Female	8,025 mg/kg

Irritation / Corrosion

Product/Ingredient Name	Test	Species	Result
Bisphenol A Epoxy Resin	OECD 404 Acute Dermal Irritation/Corrosion	Rabbit	Skin – Mild irritant
	OECD 405 Acute Eye Irritation/Corrosion	Rabbit	Eyes – Mild irritant
1,4-Butanedioldiglycidyl Ether	-	Rabbit	Skin – Irritant
	-	Rabbit	Eyes – Irritant
Glycidoxypropyltrimethoxysilane	-	Rabbit	Skin – Mild irritant
	-	Rabbit	Eyes – Risk of serious damage to eyes

Sensitizer

Product/Ingredient Name	Test	Species	Result
Bisphenol A Epoxy Resin	OECD 429 Skin Sensitization: local lymph node assay	Skin / Mouse	Sensitizing
Glycidoxypropyltrimethoxysilane	-	Skin / Guinea Pig	Not Sensitizing
	-	Skin / Human	Not Sensitizing

Mutagenicity

Product/Ingredient Name	Test	Result
Bisphenol A Epoxy Resin	Experiment – invitro, bacteria, metabolic activation +/-	Positive
	Experiment – invitro, mammalian-animal, somatic cells, metabolic activation +/-	Positive
	Experiment – in vivo, mammalian-animal, germ cells, metabolic activation +/-	Negative
	Experiment – in vivo, mammalian-animal, somatic cells, metabolic activation +/-	Negative
p-tert-butylphenyl 1-(2,3-epoxy) propyl ether	OECD Test Guideline 473 – in vitro, without metabolic activation, 50 µg/plate	Positive
	OECD Test Guideline 471 – in vitro, without metabolic activation, 33 µg/plate	Positive
Glycidoxypropyltrimethoxysilane	Experiment – in vitro, sister chromatid exchange assay in mammalian cells	Positive
	Experiment – in vitro, Bacterial reverse mutation assay (AMES)	Positive
	Experiment – in vitro, Mutagenicity (in vitro mammalian cytogenetic test)	Positive
	Experiment – in vivo, sister chromatid exchange assay, Rabbit, Intraperitoneal injection	Negative

Conclusion/ Summary: Animal testing did not show any mutagenic effects for Glycidoxypropyltrimethoxysilane. Glycidoxypropyltrimethoxysilane. was found to be genetically active in Ames reverse mutation assays, In Vitro sister chromatid exchange assays, and an In Vivo mouse micronucleus assay. This ingredient was not genetically active in an In Vivo cytogenetic assay (mice) or in an In Vivo sister chromatid exchange assay (rabbits, rats). The potential relevance of these data to humans is not known.

The weight of scientific evidence indicates that the components of this product are not genotoxic.

Carcinogenicity

Product/Ingredient Name	Test	Species	Dose	Exposure	Result/Result type
Bisphenol A Epoxy Resin	OECD Test Guideline 453	Rat-Male, Female	15 mg/kg (oral)	24 months; 7 days per week	Negative-Oral
	OECD Test Guideline 453	Mouse-Male	0.1 mg/kg (dermal)	24 months; 3 days per week	Negative-Dermal
	OECD Test Guideline 453	Rat-Female	1.0 mg/kg (dermal)	24 months; 5 days per week	Negative-Dermal

Crystalline Silica (quartz) and Cristobalite in the form of respirable dust are listed by IARC as class 1 (known human carcinogen) and listed by NTP as Group A (Known Human Carcinogen); however, in this product the silica is encapsulated in resin and therefore not available to be exposed to users as a respirable dust.

Carbon black is listed by IARC as possibly carcinogenic to humans (group 2B). Applying the guidelines under the Globally Harmonized System of Classification and Labeling of chemicals, carbon black is not classified as a carcinogen. Lung tumors are induced in rats as a results of repeated exposure to inert, poorly soluble particles like carbon black and other poorly soluble particles. Rat tumors are a result of a secondary non-genotoxic mechanism associated with the phenomenon of lung overload. This is a species-specific mechanism that has questionable relevance for classifications in humans. In support of this opinion, the CLP Guidance for Specific Target Organ Toxicity-Repeated Exposure (STOT-RE), cites lung overload under mechanisms not relevant to humans. Human studies show that exposure to carbon black does not increase the risk of carcinogenicity. In this product, the carbon black is encapsulated in resin and therefore not available to be exposed to users as a respirable dust.

No other component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP or OSHA.

Reproductive Toxicity

Product/Ingredient Name	Test	Species	Maternal Toxicity	Fertility	Developmental Effects
Bisphenol A Epoxy Resin	OECD 416 Two generation reproduction toxicity study	Rat	Negative	Negative	Negative
Glycidoxypropyltrimethoxysilane	One-generation reproduction toxicity study	Rat – Male & Female	-	Negative	-

Teratogenicity

Product/Ingredient Name	Test	Species	Results
Bisphenol A Epoxy Resin	OECD 414 Prenatal developmental Toxicity Study	Rat – Female	Negative – oral
	EPA CFR	Rabbit – Female	Negative – dermal
	OECD 414 Prenatal developmental Toxicity Study	Rabbit – Female	Negative – oral
Glycidoxypropyltrimethoxysilane	OECD 414 Prenatal developmental Toxicity Study	Rat – Female	Negative – oral

Potential Acute Health Effects

Inhalation: Vapor or mist may cause irritation to the nose and throat.
Ingestion: Irritating to the mouth, throat and stomach
Skin Contact: Causes skin irritation. May cause an allergic skin reaction

Eye Contact: Causes serious eye irritation

Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Results
Bisphenol A Epoxy Resin	OECD 408 Repeated Dose 90-Day Oral Toxicity Study	Sub-chronic NOAEL Oral	Rat-Male, Female	50 mg/kg
	OECD 411 Sub-chronic Dermal Toxicity: 90-day Study	Sub-chronic NOAEL Dermal	Rat-Male, Female	10 mg/kg
	OECD 411 Sub-chronic Dermal Toxicity: 90-day Study	Sub-chronic NOAEL Dermal	Mouse-Male	100 mg/kg
Glycidoxypropyltrimethoxysilane	Inhalation (dust/mist/fume)	No Observed Effect Concentration	-	0.2 mg/l/6h/d
	Ingestion	No Observed Effect Concentration	-	100 mg/kg

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels
Target Organs: May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity: No known significant effects or critical hazards
Mutagenicity: No known significant effects or critical hazards
Teratogenicity: No known significant effects or critical hazards
Developmental Effects: No known significant effects or critical hazards
Fertility Effects: No known significant effects or critical hazards

12. Ecological Information

Environmental Effects: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Water polluting material. Toxic to the environment if released in large quantities.

Aquatic Ecotoxicity

Product/Ingredient Name	Test	Endpoint	Exposure	Species	Result
Bisphenol A Epoxy Resin	-	Acute EC50	72 hours Static	Algae	9.4 mg/l
	OECD 202 Daphnia Sp. Acute Immobilization test	Acute EC50	48 hours Static	Daphnia	1.7 mg/l
	-	Acute IC50	3 hours Static	Bacteria	>100 mg/l
	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours Static	Fish	1.5 mg/l
	OECD 211 Daphnia Magna Reproduction test	Chronic NOEC	21 days Semi-Static	Daphnia	0.3 mg/l
p-tert-butylphenyl 1-(2,3-epoxy) propyl ether	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours static	Fish	7.5 mg/l
	OECD 202 Daphnia Sp. Acute Immobilization test	Acute EC50	48 hours static	Daphnia	67.9 mg/l
	OECD 201 Freshwater Algae and Cyanobacteria, Growth Inhibition Test	Acute EbC50	72 hours static	Algae	9 mg/l
	OECD 209 Activated Sludge, Respiratory Inhibition Test	Acute EC50	3 hours	Bacteria	>1,000 mg/l
1,4-Butanedioldiglycidyl Ether	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours	Fish	24 mg/l
	OECD 202 Daphnia Sp. Acute Immobilization test	Acute EC50	24 hours	Daphnia	76 mg/l
	OECD 201 Algae, Growth Inhibition Test	Acute EC50	72 hours	Algae	110 mg/l
Glycidoxypropyltrimethoxysilane	-	Acute LC50	96 hours	Fish	237 mg/l
	-	Acute LC50	96 hours	Fish	276 mg/l
	OECD 202 Daphnia Sp. Acute Immobilization Test	Acute EC50	48 hours	Daphnia	710 mg/l
	-	Acute ErC50	72 hours	Algae	119 mg/l
	-	Chronic NOEC	21 days	Daphnia	>100 mg/l

Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
Bisphenol A Epoxy Resin	OECD derived from OECD 301F (Biodegradation test)	28 days	5%
p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	OECD derived from OECD 301D (Biodegradation test)	28 days	1.1%
Glycidoxypropyltrimethoxysilane	OECD Test Guideline 301A (Biodegradation test)	28 days	37%

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
Bisphenol A Epoxy Resin	Fresh water 3.58 days – 7.1 days	-	Not readily
p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	Fresh water 17 days	-	Not readily
Glycidoxypropyltrimethoxysilane	-	-	Not readily

Bioaccumulative potential

Product/Ingredient Name	Log P_{ow}	BCF	Potential
Bisphenol A Epoxy Resin	3.242	31	Low
p-tert-butylphenyl 1-(2,3-epoxy)propyl ether	3.59	-	-
1,4-Butanedioldiglycidyl Ether	-0.269 – 0.15	-	Low
Glycidoxypropyltrimethoxysilane	-2.6	-	-

Other adverse effects: No known significant effects or critical hazards
Other information: BOD5: Not determined COD: Not Determined TOC: Not determined

13. Disposal Consideration

Waste Disposal Method: Disposal of this products, solutions, and by-products should always comply with the requirements of environmental and waste disposal legislation and any regional or local authority requirements. Dispose of surplus, non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed on untreated to the sewer system unless this is complaint with all applicable laws and regulations. Incineration by an approved and licensed contractor is the most common disposal method. Packaging materials that and absorbents containing the product can typically be landfilled or incinerated. Contact local authorities to determine the proper means of disposal in your area.

14. Transport Information

DOT (US) Classification: Not regulated for transportation purposes under 49CFR in non-bulk (less than 450L) when transported by motor vehicle, rail car, or aircraft.

TDG (Canadian) Classification: Not regulated for transportation purposes when transported by road or rail.

IATA – small package sizes: Container sizes with net contents of ≤ 5 L (for liquids) or ≤ 5 kg (for solids) are not subject to dangerous good regulations per special provision A197, provided that the packagings meet the general good quality packagings provisions of 5.0.2.4.1, 5.0.2.6.1.1., and 5.0.2.8. If special revision A197 is not applicable due to operator, state, or other variations then the same sizes can be shipped as Limited Quantity using packaging instruction Y964 as long as the shipment is complaint with all applicable operator variations. Environmentally hazardous substances markings and UN boxes are not required when shipping using the Limited Quantity exemption and packaging instruction Y964.

IATA **ID Number:** UN3082 **Label:** Marine Pollutant
Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Bisphenol A epoxy resin)
Hazard Class: 9 **Packing Group:** PGIII

15. REGULATORY INFORMATION

US Federal Regulations:

Occupational Safety and Health Act (OSHA): This product is a hazardous chemical under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SARA Title III: Section 304 - CERCLA: This product does contain on or more chemicals regulated under Section 304 as extremely hazardous substance(s) for emergency release notification ("CERCLA" List):

Ingredient	CAS #	Component RQ (lbs)	Calculated Product RQ (lbs)
Methanol	67-56-1	5,000	> 2,500,000

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Immediate (acute) health hazard

Delayed (chronic) health hazard.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does not contain a toxic chemical for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

TSCA Section 8(b) - Inventory Status: All chemical(s) comprising this product are listed on the TSCA inventory.

TSCA Section 12(b) - Export Notification: This product does not contain chemicals which are subject to Section 12(b) export notification.

State Regulations:

California Proposition 65: This product does contain chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

Ingredient	Cancer	Reproductive
Epichlorohydrin (CAS 106-89-8)	Yes	Yes
Methanol (CAS 67-56-1)	No	Yes

International Regulations:

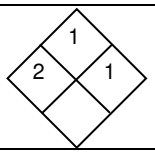
WHMIS: Class D-2B: Material causing other toxic effects

International Lists:

Australia Inventory (AICS):	All components are listed or exempt	Korea Inventory (ECL):	All components are listed or exempt
Canadian Inventory (CEPA-DSL):	All components are listed or exempt	Malaysia Inventory (EHS register):	not determined
China Inventory (IECSC):	All components are listed or exempt	Philippines Inventory (PICCS):	All components are listed or exempt
Japan Inventory (ENCS):	All components are listed or exempt	Taiwan Inventory (CSNN):	not determined

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) - USA	
Health	2
Flammability	1
Physical Hazards	1
Personal Protection	C*

National Fire Protection Association (USA):	

*suggested minimum personal protection equipment. End user must determine appropriateness of these suggestions for their applications and usage conditions.

Reason Issued: update
Prepared By: Chris Meyer **Approved By:** Chris Meyer Title: Vice President

NOTICE TO READER: While the information and recommendations in this publication are to the best of our knowledge, information and belief accurate at the date of publication, NOTHING HEREIN IS TO BE CONSTRUED AS A WARRANTY, EXPRESS OR OTHERWISE.

IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF PRODUCTS FOR THE USER'S PARTICULAR PURPOSE(S).

THIS PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.