

Safety Data Sheet



1. Product and Company Identification

Product Name: **PolyFreeze™ P169**
Material Uses: 1-Component, Adhesive, Coating & Primer
(M)SDS#: P169-20230110
Validation Date: January 10, 2023
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 3, H316	Eye damage/irritation:	Category 1, H318
Skin sensitization:	Category 1, H317	Germ Cell Mutagenicity:	Category 2, H341
Reproductive Toxicity:	Category 1B, H360	Carcinogenicity:	Category 2, H351
Aspiration Hazard:	Category 2, H305	Acute toxicity (Oral):	Category 5, H303
Specific Target Organ Toxicity - Single Exposure (Narcotic Effect):	Category 3, H336	Flammable Liquids:	Category 2, H225

GHS LABEL ELEMENTS:

HAZARD SYMBOLS:



SIGNAL WORDS: DANGER!

HAZARD STATEMENTS:

H316 Causes mild skin irritation.	H318 Causes serious eye damage.
H317 May cause allergic skin reaction.	H341 Suspected of causing genetic defects.
H360 May damage fertility or the unborn child.	H351 Suspected of causing cancer.
H305 May be harmful if swallowed and enters airways.	H303 May be harmful if swallowed.
H336 May cause drowsiness or dizziness.	H225 Highly flammable liquid and vapor.

PRECAUTIONARY STATEMENTS:

PREVENTION: P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe dust/fume/gas/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.
P271 Use only outdoors or in a well-ventilated area.
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+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
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+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER and/or doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P308+P313 IF exposed or concerned: Get medical attention.
P370+P378 In case of fire: Use a firefighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.
P391 Collect spillage.

STORAGE: P403+P233 Store in a well-ventilated place. Keep container tightly closed.
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)

Note: 24% of mixture consists of ingredients of unknown acute inhalation toxicity

General Information: Read entire SDS for a more thorough evaluation of the hazards

3. Composition / Information on Ingredients

Name	CAS Number	%
Methyl Ethyl Ketone	78-93-3	55 - 65
Tetrahydrofuran	109-99-9	10 – 20
Phenoxy resin	25068-38-6	10 – 20
Phenoxy resin	5026-74-4	5 – 10
1-methyl-1-2-pyrrolidinone	872-50-4	1 – 5
Toluene	108-88-3	< 1

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 give milk or alcoholic beverages. Do not induce vomiting until direct to do so by medical personnel. Never give anything by mouth to an unconscious person. If you feel unwell, get 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:	>-14.4°C (>6°F) closed cup
Hazardous Thermal Decomposition Products:	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, hydrogen cyanide, hydrogen chloride, ketones, and other oxides.
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 away from heat/sparks/open flames/hot surfaces. No smoking. 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). Warning a motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.
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 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 5°C - 30°C (41°F - 86°F). Protect from heat, flames, sparks, and other sources of ignition. Keep away from 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

Ingredient	Exposure limits
Methyl Ethyl Ketone	NIOSH – TWA: 200 ppm / 590 mg/m ³ NIOSH – ST: 300 ppm / 885 mg/m ³ OSHA – TWA: 200 ppm / 590 mg/m ³
Tetrahydrofuran	CMRG – TWA: 25 ppm / STEL: 75 ppm ACGIH – TWA: 50 ppm / STEL: 100 ppm OSHA – TWA: 200 ppm / 590 mg/m ³
1-methyl-1-2-pyrrolidinone	AIHA - TWA: 10ppm / 40 mg/m ³
Toluene	NIOSH – TWA: 100 ppm / 375 mg/m ³ NIOSH – ST: 150 ppm / 560 mg/m ³ OSHA – TWA: 200 ppm

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 goggles. 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:	Clear to yellow liquid	Odor	ketone
Boiling Point:	>56°C (133°F) (initial)	Freezing Point:	Not determined
Flash Point:	>-18°C (-0.4°F) closed cup	pH:	Not determined
Auto-ignition Temperature:	Not determined	Flammable Limits:	< 2.0% LEL, < 11.8% UEL
Vapor Pressure:	>145mm Hg at 20°C (68°F) (estimated)	Water Solubility:	Appreciable
Specific Gravity:	0.89	Vapor Density:	>2.5 (Air = 1)
Evaporation Rate:	≥ 3 (butyl acetate =1)	VOC:	699 g/ L (estimated)
Viscosity:	< 90 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.
Conditions to Avoid:	Avoid sources of ignition (sparks or flames). Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat. Avoid high temperatures and exposure to strong oxidizing agents, amines, rubber, plastics, acids, and bases.
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, hydrogen cyanide, hydrogen chloride, ketones, and other oxides.

11. Toxicological Information

Acute Toxicity

Product/Ingredient Name	Test	Endpoint	Species	Result
Methyl Ethyl Ketone	-	LD50 Oral	Rat	2,737 mg/kg
	-	LD50 Dermal	Rabbit	> 8,050 mg/kg
	-	LC50 Inhalation Vapors	Rat	34.5 mg/l (4 hours)
Tetrahydrofuran	-	LD50 Oral	Rat	3,180 mg/kg
	-	LD50 Dermal	Rat	>2,000 mg/kg
	-	LC50 Inhalation Vapors	Rat	54 mg/l (4 hours)
Phenoxy resin	-	LD50 Oral	Rat	>1,000 mg/kg
	-	LD50 Dermal	Rat	>1,600 mg/kg
Phenoxy resin	-	LD50 Oral	Rat	500 – 5,000 mg/kg
	-	LD50 Dermal	Rat	>4,000 mg/kg
1-methyl-2-pyrrolidinone	-	LD50 Oral	Rat	4,320 mg/kg
	-	LD50 Dermal	Rabbit	4,000 mg/kg
	-	LC50 Inhalation Dust/Mist	Rat	> 5.1 mg/l (4 hours)
Toluene	-	LD50 Oral	Rat	5,550 mg/kg
	-	LD50 Dermal	Rat	12,000 mg/kg
	-	LC50 Inhalation Vapors	Rat	30 mg/l (4 hours)

Irritation / Corrosion -

Product/Ingredient Name	Test	Species	Result
Methyl Ethyl Ketone	-	Rabbit	Skin – Minimal irritation
	-	Rabbit	Eyes – Severe irritant
Tetrahydrofuran	-	Rabbit	Skin – Minimal irritation
	-	Rabbit	Eyes – Corrosive
Phenoxy resin	-	Rabbit	Skin – Mild irritant
	-	Rabbit	Eyes – Moderate irritant
Phenoxy resin	-	Rabbit	Skin – Irritant
	-	Rabbit	Eyes – Severe irritant
1-methyl-2-pyrrolidinone	-	Rabbit	Skin – Minimal irritation
	-	Rabbit	Eyes – Severe irritant
Toluene	-	Rabbit	Skin – Irritant
	-	Rabbit	Eyes – Moderate irritant

Sensitizer

Product/Ingredient Name	Test	Species	Result
Tetrahydrofuran	-	Human and animal	Skin – Not sensitizing
Phenoxy resin	-	Human and animal	Skin – Sensitizing
Phenoxy resin	-	Guinea pig	Skin - Sensitizing
Phenoxy resin	-	Human	Respiratory – not classified

Mutagenicity

Product/Ingredient Name	Test	Result
Phenoxy resin	In vivo	Not mutagenic
Phenoxy resin	In vitro	Some positive data exists, but the data are not sufficient for classification
Phenoxy resin	In vitro	Some positive data exists, but the data are not sufficient for classification
Phenoxy resin	In vivo	mutagenic
Toluene	In vitro	Not mutagenic
Toluene	In vivo	Not mutagenic

Conclusion/ Summary: May interact with genetic material and possibly alter gene expression.

Carcinogenicity

Product/Ingredient Name	Test	Species	Dose	Exposure	Result/Result type
Tetrahydrofuran	Inhalation	Multiple animal species	-	-	Carcinogenic
Phenoxy resin	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification		
Toluene	Dermal	Mouse	Some positive data exist, but the data are not sufficient for classification		
	Oral	Rat	Some positive data exist, but the data are not sufficient for classification		
	Inhalation	Mouse	Some positive data exist, but the data are not sufficient for classification		

Tetrahydrofuran is classified by IARC as Group 2B (Possible human carcinogen). Toluene is classified by IARC as Group 3 (Not classifiable as to its carcinogenicity to humans). 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. No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH, NTP or OSHA.

Reproductive Toxicity

Product/Ingredient Name	Test	Species	Results
1-methyl-1-2-pyrrolidinone	Inhalation – during gestation	Rat	Not classified for development; LOAEL 0.68 mg/l
	Ingestion – 2 generations	Rat	Toxic to female reproduction; LOAEL 50 mg/kg/day
	Ingestion – 2 generations	Rat	Toxic to male reproduction; LOAEL 50 mg/kg/day
Toluene	Inhalation – occupational exposure	Human	Not classified for female reproductive
	Inhalation – 1 generation	Rat	Not classified for male reproductive; NOAEL 2.3 mg/l

Teratogenicity

Product/Ingredient Name	Test	Species	Results
1-methyl-1-2-pyrrolidinone	Dermal – during organogenesis	Rat	Toxic to development; NOAEL 237 mg/kg/day
	Ingestion – 2 generation	Rat	Toxic to development; NOAEL 160 mg/kg/day
Toluene	Ingestion – during gestation	Rat	Toxic to development; LOAEL 520 mg/kg/day
	Inhalation – Poisoning and/or abuse	Human	Toxic to development

Potential Acute Health Effects

Inhalation: May be irritating to the respiratory system, may cause drowsiness or dizziness.
 Ingestion: May be harmful if swallowed. May be harmful if swallowed and enters airways.
 Skin Contact: Causes mild skin irritation. May cause skin dryness and sensitization by skin contact.
 Eye Contact: May cause serious eye damage.

Potential Chronic Health Effects

Product/Ingredient Name	Test	Endpoint	Species	Results
Toluene	Long term Inhalation studies		Animal	Lung & stomach irritation, chest pain, pulmonary edema, an ulcerous lesion on the penis, prepuce, and scrotum.
Toluene	Long term exposure studies		Humans	Central nervous system & stomach irregularities possible based on human evidence

General: Once sensitized, an allergic reaction may occur when subsequently exposed to very low levels.
 Target Organs: Primarily Lungs, stomach, & central nervous system.
 Carcinogenicity: Suspected of causing cancer.
 Mutagenicity: Suspected of causing genetic defects.
 Teratogenicity: May damage fertility or the unborn child.
 Developmental Effects: May damage fertility or the unborn child.
 Fertility Effects: May damage fertility or the unborn child.

12. Ecological Information

Environmental Effects: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Aquatic Ecotoxicity

Product/Ingredient Name	Test	Endpoint	Exposure	Species	Result
Toluene	OECD 202 Daphnia Sp. Acute Immobilization Test	Acute EC50	24 hours Static	Daphnia	>8 mg/l
	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours Static	Fish	7.63 mg/l
	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours Static	Fish	245 mg/l
Methyl Ethyl Ketone	OECD 202 Daphnia Sp. Acute Immobilization Test	Acute EC50	24 hours Static	Daphnia	>7,060 mg/l
	OECD 203 Fish, Acute toxicity test	Acute LC50	96 hours Static	Fish	400 mg/l

Persistence and Degradability

Product/Ingredient Name	Test	Period	Result
Methyl Ethyl Ketone	OECD derived from OECD 301F (Biodegradation test)	-	Readily biodegradable
Toluene	OECD derived from OECD 301F (Biodegradation test)	-	Readily biodegradable

Product/Ingredient Name	Aquatic half-life	Photolysis	Biodegradability
Toluene	-	-	readily

Bioaccumulative potential

Product/Ingredient Name	Log P _{ow}	BCF	Potential
Data not available	-	-	-

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 at all times 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, 49CFR: Non-Bulk Label: Flammable liquid
Proper Shipping Name: Adhesives
Hazard Class: 3 **ID Number:** UN1133 **Packing Group:** PG II

Label: Flammable liquid

IATA: Non-Bulk

Proper Shipping Name: Adhesives
Hazard Class: 3 **ID Number:** UN1133 **Packing Group:** PG II
Reportable Quantity (RQ): >7000 lbs.

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 contains on ore 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.)
Toluene	108-88-3	1,000	>100,000
Methyl Ethyl Ketone	78-93-3	5,000	>11,000
Tetrahydrofuran	109-99-9	1,000	>5,000

SARA Title III: Section 311/312 - Hazard Communication Standard (HCS): Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

SARA Title III: Section 313 Toxic Chemical List (TCL): This product does contain one or more toxic chemicals for routine annual Toxic Chemical Release Reporting under section 313 (40 CFR 372).

1-methyl-2-pyrrolidinone (CAS # 872-50-4), Toluene (CAS # 108-88-3)

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 contains one or more chemicals which are subject to Section 12(b) export notification: 1-methyl-2-pyrrolidinone (CAS# 872-50-4) & phenoxy resin (CAS# 5026-74-4).

State Regulations:

California Proposition 65: **⚠ WARNING:** This product can expose you to chemicals including N-Methylpyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

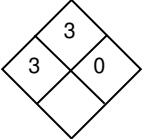
International Regulations:

WHMIS: Class B-2: Flammable Liquids: Flashpoint of <37.8°C (100°F)
Class D-2A: Material causing other toxic effects
Class D-2B: Material causing other toxic effects

International Lists:

Australia Inventory (AICS):	all components are listed or exempt	Malaysia Inventory (EHS register):	Not determined
Canadian Inventory (CEPA-DSL):	all components are listed or exempt	New Zealand Inv. of Chem. (NZIoC):	all components are listed or exempt
China Inventory (IECSC):	all components are listed or exempt	Philippines Inventory (PICCS):	all components are listed or exempt
Japan Inventory (ENCS):	Not determined	Taiwan Inventory (TCSI):	all components are listed or exempt
Korea Inventory (ECL):	all components are listed or exempt		

16. OTHER INFORMATION

Hazardous Material Information System (HMIS) - USA		National Fire Protection Association (USA):	
Health	3		
Flammability	3		
Physical Hazards	0		
Personal Protection	H*		

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

Reason Issued: update
Prepared By: Preston White **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.