

RepCon® V/O

Version 1

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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled): Synonyms: CAS No:	RepCon [®] V/O N/A Mixture
1.2 Product Use:	Single component concrete repair mortar
1.3 Company Name:	SpecChem
Company Address:	1511 Baltimore Ave; Suite 600
Company Address Cont:	Kansas City, MO 64108
Business Phone:	(816) 968-5600
Website:	www.specchemllc.com
1.4 Emergency Telephone Number	
Date of Last Revision: Date of Current Revision	February 1, 2015 July 1, 2018

SECTION 2 – HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: This product is a gray powder with minimal odor. <u>Health Hazards</u>: May cause skin and respiratory irritation and burns to the eyes. Contact with skin may cause an allergic reaction. Repeated exposure may cause damage to the lungs. Contains components that are defined as human carcinogens. <u>Flammability Hazards</u>: This product is not considered flammable. <u>Reactivity Hazards</u>: None. <u>Environmental Hazards</u>: The environmental effects of this product have not been investigated, however release may cause long term adverse environmental effects.

US DOT Symbols Not Regulated



EU and GHS Symbols

Signal Word

2.1 EU Labeling and Classification:

Danger

This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

EU HAZARD CLASSIFICATION OF INGREDIENTS PER DIRECTIVE 1272/2008/EC: Index Number:

238-878-4 is not listed in Annex I 266-043-4 is not listed in Annex I Substances not listed either individually or in group entries must be self classified.



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Components Contributing to Classification:	Crystalline Silica (Quartz)/Silica Sand, Portland Cement, Calcium Oxide, Aluminum Sulfate
2.2 Label Elements:	
GHS Hazard Classifications:	Carcinogenicity Category 2
	STOT – SE Category 3 (Respiratory System)
	Skin Irritation Category 2
	Skin Sensitization Category 1
	Eye Damage Category 1
Hazard Statements:	H351 Suspected of causing cancer
	H373 May cause damage to organs
	(Respiratory System) through prolonged or
	repeated exposure
	H335 May cause respiratory irritation
	H315 Causes skin irritation
	H317 May cause an allergic skin reaction
	H318 Causes serious eye damage
Precautionary Statements:	P201 Obtain special instructions before use.
	P202 Do not handle until all safety precautions
	have been read and understood.
	P260 Do not breath
	dust/fume/gas/mist/vapours/spray.
	P264 Wash thoroughly after handling.
	P271 Use only outdoors or in a well-ventilated
	area.
	P272 Contaminated work clothing should not be
	allowed out of the workplace
	P270 Do not eat, drink or smoke when using
	this product.
	P280 Wear protective gloves/eye
Poononao Statamanta	protection/face protection. P308+P313 IF exposed or concerned: Get
Response Statements:	medical advice/attention.
	P304+P340 IF INHALED: Remove person to
	fresh air and keep comfortable for breathing.
	P312 Call a POISON CENTER/Doctor if you
	feel unwell.
	P302+P352 IF ON SKIN: Wash with plenty of
	water.
	P333+P312 If skin irritation or rash occurs: Get
	medical advice/attention.
	P362+P364 Take off contaminated clothing and
	wash it before reuse.
	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/Doctor.



Storage Statements				pg. 3
Storage Statements:		Keep co	233 Store in a well-ventilated place. Intainer tightly closed. Fore locked up.	
Disposal Statements:			spose of contents/container in	
		accorda	nce with	
			local/reg	gional/national/international regulations
2.3 Health Hazards of	or Risks F	rom Exposur	e:	
Symptoms of Overe				
				t are by contact with skin or eyes. The
symptoms of overe	xposure ar	e described in	the following p	aragraphs.
Acute:		to my invitation		
Inhalation: May cau				
Skin Contact: May Eye Contact: Conta			iso hurne or irri	tation
Ingestion: May caus				
Chronic: Repeated e				
Target Organs:		lay cause skin		oking.
Acute: Eyes, Skin, I	Respirator	v		
Chronic: Lung, Skin		у		
ernenie: Eurig, ern				
SECTION 3 – COMPOSITIO		MATION ON	INGREDIENIS	
		CAS No.	EINECS No.	Hazard Classification
lazardous Ingredients	WT%	040 110.		
	WT%			
Crystalline Silica (Quartz)/	WT% 50–70%		238-878-4	Carc. 2, STOT RE2
Crystalline Silica (Quartz)/ Silica Sand Portland Cement	50–70% 25–45%	14808-60-7 65997-15-1	238-878-4 266-043-4	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens.
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide	50–70% 25–45% 3–10%	14808-60-7 65997-15-1 1305-78-8	238-878-4 266-043-4 215-138-9	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide	50–70% 25–45% 3–10% 1–4%	14808-60-7 65997-15-1 1305-78-8 10043-01-3	238-878-4 266-043-4 215-138-9 233-135-0	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are	50–70% 25–45% 3–10% 1–4%	14808-60-7 65997-15-1 1305-78-8 10043-01-3	238-878-4 266-043-4 215-138-9 233-135-0	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1
Hazardous Ingredients Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are respiratory sensitizers).	50–70% 25–45% 3–10% 1–4%	14808-60-7 65997-15-1 1305-78-8 10043-01-3	238-878-4 266-043-4 215-138-9 233-135-0	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are respiratory sensitizers).	50–70% 25–45% 3–10% 1–4% e non-hazar	14808-60-7 65997-15-1 1305-78-8 10043-01-3 dous or less tha	238-878-4 266-043-4 215-138-9 233-135-0 an 1% in concentr	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1 ation (or 0.1% for carcinogens, reproductive toxins, or
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are espiratory sensitizers). ote: All WHMIS required infe	50–70% 25–45% 3–10% 1–4% e non-hazar	14808-60-7 65997-15-1 1305-78-8 10043-01-3 dous or less that s included in a	238-878-4 266-043-4 215-138-9 233-135-0 an 1% in concentr	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1 ration (or 0.1% for carcinogens, reproductive toxins, or ons based on the ANSI Z400.1-2010 format.
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are espiratory sensitizers). ote: All WHMIS required infinis product has been classifi	50–70% 25–45% 3–10% 1–4% e non-hazar ormation is ied in acco	14808-60-7 65997-15-1 1305-78-8 10043-01-3 dous or less that s included in a prdance with th	238-878-4 266-043-4 215-138-9 233-135-0 an 1% in concentr ppropriate sectione hazard criter	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1 ration (or 0.1% for carcinogens, reproductive toxins, or ons based on the ANSI Z400.1-2010 format. a of the CPR and the MSDS contains all the
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are espiratory sensitizers). ote: All WHMIS required infi his product has been classifi	50–70% 25–45% 3–10% 1–4% e non-hazar ormation is ied in acco	14808-60-7 65997-15-1 1305-78-8 10043-01-3 dous or less that s included in a prdance with th	238-878-4 266-043-4 215-138-9 233-135-0 an 1% in concentr ppropriate sectione hazard criter	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1 ration (or 0.1% for carcinogens, reproductive toxins, or ons based on the ANSI Z400.1-2010 format.
Crystalline Silica (Quartz)/ Silica Sand Portland Cement Calcium Oxide Aluminum Sulfate Balance of other ingredients are respiratory sensitizers). Iote: All WHMIS required infi his product has been classifi	50–70% 25–45% 3–10% 1–4% e non-hazar ormation is ied in accc PR, EU Dir	14808-60-7 65997-15-1 1305-78-8 10043-01-3 dous or less that s included in a prdance with the rectives and the	238-878-4 266-043-4 215-138-9 233-135-0 an 1% in concentr ppropriate sectione hazard criter	Carc. 2, STOT RE2 STOT SE3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. STOT SE3, Skin Irrit. 2, Eye Dam. 1 STOT SE3, Skin Irrit. 2, Eye Dam. 1 ration (or 0.1% for carcinogens, reproductive toxins, or ons based on the ANSI Z400.1-2010 format. a of the CPR and the MSDS contains all the

Eye Contact:	If product enters the eyes, flush with plenty of water or eye wash
	solution for several minutes. Remove contacts if present and easy to
	do. Seek medical attention if irritation persists.
Skin Contact:	Wash skin thoroughly with soap and water after handling. Seek medical attention if irritation develops and persists.



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Inhalation:		difficult, remove victim to fresh air. If necessation to support vital functions. Seek medical	ary,
Ingestion:	attention. If product is swallowed, call physician or poison center if you feel unwell. If professional advice is not available, do not induce vomiting. Never induce vomiting or give dilutents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or SDS with the victim to the health professional.		
Medical Conditions	protocolonali		
Generally Aggravated			
By Exposure:		piratory system or eye problems may be	
4.2 Symptoms and Effect	aggravated by prolonged contact. <u>4.2 Symptoms and Effects Both Acute and Delayed:</u> Exposure to skin and respiratory may cause irritation. Contact with the eyes may cause burns. Contact with skin may		
		ction. Repeated exposure may cause damage	e to
4.2 Pasammandations to	the lungs.	notome and aliminate avarayonaura	
4.3 Recommendations to	Filysicians: Treat Syr	nptoms and eliminate overexposure.	
SECTION 5 – FIRE FIGHTING M	EASURES		
5.1 Fire Extinguishing Ma	aterials:		
Use the following fire ext	tinguishing materials:	Water Spray: Yes Foam: Yes Halon: Yes Carbon Dioxide: Yes Dry Chemical: Yes Other: Any "C" Class	
5.2 Unusual Fire and Exp			
	Irritating and toxic fumes may be produced at high temperatures. Use of water may result if the formation of a toxic aqueous solution. Do not allow run-off from fire fighting to enter		
Explosive Sensitivity to Me Explosive Sensitivity to Sta		No No	
 Incipient fire response 	 5.3 Special Fire-Fighting Procedures: Incipient fire responders should wear eye protection. 		
protective equipmeIsolate materials n	 Structural firefighters must wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. 		
	 Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. 		

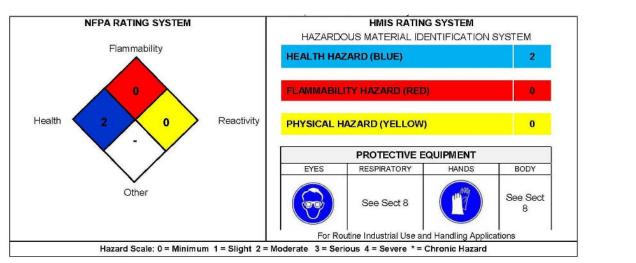


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• If possible, prevent run-off water from entering storm drains, bodies of water, or other environmentally sensitive areas.



SECTION 6 - ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Use cautious judgment when cleaning up spill. Wear suitable protective clothing, gloves, and eye/face protection.

6.2 Environmental Precautions:

If liquid was introduced, construct a dike to prevent spreading. Keep out of sewers, storm drains, surface waters, and soils.

6.3 Spill and Leak Response:

Small Spills:

- Collect material via broom or mop. Place in tightly sealed containers for proper disposal.
- Approach spill areas with caution.
- If liquid was introduced, create a dike or trench to contain material.
- Soak up with absorbent material such as clay, sand or other suitable non-reactive material.

Large Spills:

- Place in leak-proof containers. Seal tightly for proper disposal.
- Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

SECTION 7 - HANDLING AND STORAGE



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7.1 Precautions for Safe Handling:

To prevent eye contact under the foreseeable conditions of use, wear appropriate safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling.

7.2 Storage and Handling Practices:

Keep away from incompatible materials. Keep container closed when not in use and store in well ventilated area.

7.3 Specific Uses:

Rapid setting concrete repair mortar.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Parameters:

Ingredients	CAS No.	OSHA PEL	NIOSH PEL	ACGIH TWA
Crystalline Silica (Quartz)/Silica Sand	14808-60-7	TWA 0.1 mg/m3 (resp) TWA 0.3 mg/m3 (total)	Ca TWA 0.05 mg/m3	0.025 mg/m3
Portland Cement	65997-15-1	TWA 5 mg/m3 (resp) TWA 15 mg/m3 (total)	TWA 5 mg/m3 (resp) TWA 10 mg/m3 (total)	10 mg/m3 (total)
Calcium Oxide	1305-78-8	TWA 5 mg/m3	TWA 2 mg/m3	TWA 2 mg/m3
Aluminum Sulfate	10043-01-3	TWA 2 mg/m3	TWA 2 mg/m3	TWA 2 mg/m3

8.2 Exposure Controls: Ventilation and Engineering Controls:

Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132), or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection:	Maintain airborne contaminant concentrations below guidelines listed above. Use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.
Eye Protection:	Safety glasses or goggles are required. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.
Hand Protection:	Chemical resistant gloves are required to prevent skin contact. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European



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Body Protection:	Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards. Use body protect appropriate to task being performed. If necessary, refer to appropriate Standards of Canada, or appropriate standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.	
SECTION 9 – PHYSICAL AND CHEMICAL PROPI		
SECTION 9 - FITTSICAL AND CHEMICAL PROPI		
 9.1 Information on Basic Physical and Chemical Properties: ppearance (Physical State and Color): Gray powder Odor: Minimal Odor Threshold: No data available pH: No data available Melting/Freezing Point: No data available Boiling Point: No data available Flash Point: No data available Evaporation Rate: No data available Flammability (Solid; Gas): No data available Upper/Lower Flammability or Explosion Limits: No data available Vapor Pressure (mm Hg @ 20°C (68° F): No data available Vapor Density: No data available Relative Density: No data available Specific Gravity: 2.6 - 3.2 Solubility in Water: Miscible Weight per Gallon: No data available Partition Coefficient (n-octanol/water): No data available Auto-Ignition Temperature: No data available Decomposition Temperature: No data available Viscosity: No data available 9.2 Other Information: No data available 		
SECTION 10 – STABILITY AND REACTIVITY		
<u>10.1 Reactivity:</u> <u>10.2 Stability:</u> <u>10.3 Possibility of Hazardous Reactions</u> : <u>10.4 Conditions to Avoid:</u>	This product is not reactive. Stable under conditions of normal storage and use. Will not occur. No data available.	



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<u>10.5 Incompatible Substances:</u> 10.6 Hazardous Decomposition Product	Hydrogen fluoride. <u>s:</u> No data available.
SECTION 11 – TOXICOLOGY INFORMATION	
11.1 Information on Toxicological Effect	'e'
Toxicity Data:	No data available
Suspected Cancer Agent:	Crystalline Silica (Quartz)/Silica Sand (CAS 14808-60-7) is found on one or more of the following lists: FEDERAL OSHA Z LIST, NTP, IARC, or CAL/OSHA and therefore is considered to be a cancer-causing agent by these agencies.
Irritancy:	Skin, eye, and respiratory irritant.
Sensitization to the Product:	This product is expected to cause skin sensitization.
Germ Cell Mutagenicity:	This product does not contain ingredients that are suspected to be a germ cell mutagenic.
Reproductive Toxicity:	This product is not expected to be a human reproductive toxicant.
SECTION 12 – ECOLOGICAL INFORMATION	
 12.1 Toxicity: 12.2 Persistence and Degradability: 12.3 Bioaccumulative Potential: 12.4 Mobility in Soil: 12.5 Results of PBT and vPvB Assessm 12.6 Other Adverse Effects: 12.7 Water Endangerment Class: 	No data available No specific data available on this product. No specific data available on this product. No specific data available on this product. rent: No specific data available on this product. No data available At present, there are no ecotoxicological assessments for this product.
SECTION 13 – DISPOSAL CONSIDERATIONS	
13.1 Waste Treatment Methods:	Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Australia, EU Member
13.2 EU Waste Code:	States and Japan. Not determined
SECTION 14 - TRANSPORTATION INFORMATIO	N
UN Identification Number:	.101) by the U.S. Department of Transportation, as follows. Not applicable
Proper Shipping Name:	Not regulated
Hazard Class Number and Description:	Not applicable
Packing Group: DOT Label(s) Required:	Not applicable Not applicable
DOT Laberts) nequired.	
	_



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Version 1 North American Emergency Response Guidebook Number: <u>14.2 Environmental Hazards:</u> Marine Pollutant: <u>14.3 Special Precaution for User:</u> <u>14.4 International Air Transport Association</u> <u>Shipping Information (IATA):</u> <u>14.5 International Maritime Organization</u> <u>Shipping Information (IMO):</u>	pg. 9 Not applicable The components of this product are not designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B). None Not regulated.	
UN Identification Number: Proper Shipping Name: Hazard Class Number and Description: Packing Group: EMS-No:	Not applicable Not regulated Not applicable Not applicable Not applicable	
SECTION 15 – REGULATORY INFORMATION		
SECTION 15 – REGULATORY INFORMATION 1.1 Safety, Health and Environmental Regulations Specific for the Substance or Mixture: United States Regulations: U.S. SARA Reporting Requirements: The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act. U.S. SARA 311/312: Acute Health: Yes; Chronic Health: Yes; Fire: No; Reactivity; No U.S. CRCLA Reportable Quantity: None U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory or are exempted from listing. Other U.S. Federal Regulations: None Mown California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does contain "Silica, crystalline", which is on the Proposition 65 Lists. Data Environmental Protection Act (CEPA) Priorities Substances Lists: Canadian Regulations: Not applicable Contains and the MSDS contains all of the information required by those regulations. Materials and the MSDS contains all of the information required by those regulations. Canadian Regulations:		



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Version 1 pg. 10 15.3 European Economic Community Information: This product meets the definition of a hazardous substance or preparation as defined by the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives. See Section 2 for Details. **Chemical Safety Assessment:** No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier. **15.4 Australian Information for Product:** Components of this product are listed on the International Chemical Inventory list. **15.5 Japanese Information for Product:** Japanese Minister of International Trade and Industry (MITI) Status: The components of this product are not listed as Class I specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI. **15.6 International Chemical Inventories:** Listing of the components on individual country Chemical Inventories is as follows: Australian Inventory of Chemical Substances (AICS): Listed Korean Existing Chemicals List (ECL): Listed Japanese Existing National Inventory of Chemical Substances (ENCS): Listed Philippines Inventory if Chemicals and Chemical Substances (PICCS): Listed U.S. TSCA: Listed **SECTION 16 – OTHER INFORMATION** Prepared By: Chris Eigbrett (MSDS to GHS Compliance) Date of Printing: July 1, 2018 The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. SpecChem assumes no responsibility for injury to vendee or third party person proximately caused by the material if

reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SpecChem assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET