1.	IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER			
	1.1.	GHS product identifier.	Propylene Oxide	
		Other means of identification.	Epoxy propane	
	1.2.	Recommended use and restrictions on use.	synthesis of other fumigant for speci cocoa; as a mixtu methylene chlorid	Used primarily as an intermediate in the chemicals and polymers; as a ific dried fruits, nuts, herbs, spices, and re with CO2; as a stabilizer for le; acid scavenger; pH control agent; as ical for removing residual from crude
	1.3	Supplier's details.	Name:	ABERCO Inc.
	1.0.	oupplier sactalis.	Name.	c/o Balchem Corporation
			Address:	52 Sunrise Park Road New Hampton, NY 10958 USA
			Phone number:	+1 845-326-5611
			Fax number:	+1 845-326-5706 (Cust Serv)
			Internet: Email:	www.balchem.com sds@balchem.com
	1.4.	Emergency phone number.	CHEMTREC: CCN#1625	1 800-424-9300 (USA) +1 703-527-3887 (International)

2. HAZARDS IDENTIFICATION	
2.1. GHS classification of the substance or mixture and any national or regional information.	Flammable Liquid: Category 1  Acute toxicity: Category 4 (Inhalation)
2.2. GHS label elements, including precautionary statements.	Danger H302: Harmful if swallowed H312: Harmful in contact with skin H315: Causes skin irritation H319: Causes serious eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation H340: May cause genetic defects H350: May cause cancer 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.

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		P241:	Use explosion-proof elelighting/ equipment.	ectrical/ ventilating/
		P242:	Use only non-sparking	tools.
		P243:	Take precautionary me	asures against stati
			discharge.	3
		P261:	Avoid breathing gas/va	pours.
		P264:	Wash hands thoroughl	
			<u> </u>	
		P270:	Do not eat, drink or sm product.	
		P271:	Use only outdoors or in	n a well-ventilated
		P280:	Wear protective gloves eye protection/face pro	
		P281:	Use personal protective required.	
		P301+	IF SWALLOWED: Call	
		P312:	or doctor/physician if y	ou feel unwell.
		P330:	Rinse mouth.	
		P302+	IF ON SKIN: Wash with	n plenty of soap and
		P352:	water.	•
		P303+	IF ON SKIN (or hair): F	Remove/Take off
		P361+	immediately all contam	
		P353:	skin with water/shower	
		P362+	Take off contaminated	clothing and wash
		P363:	before reuse.	
		P332+ P313:	If skin irritation occurs: advice/attention.	Get medical
		P304+	IF INHALED: Remove	person to fresh air
		P340:	and keep comfortable t	
		P305+	IF IN EYES: Rinse cau	tiously with water fo
		P351+ P338:	several minutes. Remoresent and easy to do	
		P337+	If eye irritation persists	
		P313:	advice/attention.	
		P312:	Call a POISON CENTE if you feel unwell.	R or doctor/physici
		P308+	IF exposed or concern	ed: Get medical
		P313:	advice/attention.	
		P321+ P322:	Specific treatment: Se SDS.	e first aid section of
		P370+ P378:	In case of fire, use carl chemical, alcohol resis	
		P403+	spray for extinction. Store in a well-ventilate	ed place. Keep coo
		P235: P405:	Store locked up.	
		P501:	Dispose of contents/co with local/regional/nation regulation.	
<ol> <li>Other hazards which do not resultin classification or are not covered by the GHS.</li> </ol>	None	1	1	

3.	COMPOSITION/INFORMATION ON INGREDIENTS		
	3.1. Substance:		
	Chemical identity.	Propylene Oxide	

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Common name, synonyms, etc.		PO; PPO; 1,2-Epoxypropane; Propene Oxide, Methyl Ethylene Oxide, Methyloxirane, Propylene Epoxide, Epoxypropane			
CAS number, EC number, etc.		CAS#: 75-56-9; EC#: 200-879-2 (from EINECS) Formula: C3H6O Molecular Weight: 58.08 g/mol			
Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance.		Contains no other components or impurities which will influence the classification of the product.			
3.2. Mixture:					
The chemical identity and conce	ntration or	Chemical Identit	y: Concentra	ti CAS No.:	
concentration ranges of all ingredients which are hazardous within the meaning of the GHS and are present above their cutoff levels.		Propylene Oxide	100%	75-56-9	
		Components Not Listed Are Not Considered Hazardous By OSHA Hazard Communication Standard (29 CFR 1910.1200)			

. FIRST AID MEASURES	
4.1. Description of first aid measures.	Eye contact: Immediately flush eyes, including the entire surface of the eyes and under the eyelids, gently but thoroughly with plenty of running water for at least 15 minutes. Obtain medical attention immediately. NOTE: Never wear contact lenses when working with propylene oxide.  Skin contact: Immediately flush skin thoroughly with water for at least 15 minutes while removing contaminate clothing and shoes. Obtain medical attention immediately. Wash clothing before reuse and discard contaminated leather articles such as shoes and belts.  Inhalation: For significant exposure to any nuisance particles (dust or mist), remove to fresh air and, if there is difficulty breathing, get medical attention. If breathing has stopped, give artificial respiration then have qualified personnel administer oxygen, if needed. Get immediate medical attention.  Ingestion: If patient is conscious give plenty of water (minimum of two glasses) but DO NOT INDUCE VOMITING. This material is corrosive. Keep head lower than hips to avoid aspiration, should vomiting occur. Get medical attention immediately  Medical Conditions Aggravated by Exposure:  Persons with pre-existing skin, kidney, liver and respiratory disorders may be at increased risk from exposure to this substance.
4.2. Most important symptoms/effects.	Signs and Symptoms of Overexposure: Effects includ severe eye, skin and respiratory irritation or burns, skin rash, blistering. Effects of central nervous system depression include excitement, headache, dizziness, loss of coordination, narcosis, drunkenness, nausea, vomiting collapse, coma and respiratory arrest. Effects from swallowing may include severe irritation and burns to the gastrointestinal tract, nausea, vomiting, diarrhea, central nervous system depression and difficulty breathing.

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4.3. Indication of immediate medical attention and Note to Physician: Propylene oxide is an irritant the				
special treatment needed, if necessary.		may cause coughing edema, or chemical Lung injury has be Respiratory effectives respiratory distresting chemical burn is pany thermal burn.	ing, dyspnea, nonca al pneumonitis. Cya en observed in exp s may be delayed. I s. Consider oxygen	ardiogenic pulmonary anosis has occurred. erimental animals. Evaluate for administration. If a ate skin and treat as e is known,

5.	FIREFIGHTING MEASURES	
	5.1. Suitable (and unsuitable) extinguishing media.	Carbon dioxide, dry chemical, alcohol resistant foam or water spray for small fires. Water spray, water for or alcohol resistant foams for large fires. Liquid will float and may reignite on the surface of the water. Water spray can be used to reduce flame intensity, cool fire-exposed containers and dilute spills to render non-flammable.
	5.2. Specific hazards arising from the chemical.	Extremely flammable vapor. Vapors may cause flash fire and can form explosive mixtures with air. May polymerize explosively when involved in a fire or in contact with incompatible materials. Causes severe eye, skin and gastrointestinal irritation or burns and respiratory tract irritation with central nervous system effects. Harmful if swallowed or absorbed through the skin.  UNUSUAL FIRE AND EXPLOSION HAZARDS: Liquid propylene oxide is lighter than water (floats) and vapors are heavier than air and may travel along ground long distances to sources of ignition, and then flash back. Containers are fitted with metallic plugs which melt and release contents when temperature increases to a range of 157-170 °F (69-77 °C). Vapors are extremely flammable and are readily ignited by static charge, sparks and flames at concentrations above 1.7%.
	5.3. Special protective equipment and precautions for firefighters.	Fire-fighters should wear NIOSH-¬approved self-contained breathing apparatus (SCBA) operated in the pressure-demand mode and full chemical-resistant protective clothing. Evacuate all personnel from danger area and keep upwind. Immediately cool containers with water spray from maximum safe distance. Remove containers from fire area, if without risk. Refer to the most current edition of the "North American Emergency Response Guidebook" for isolation and evacuation distances.

6.	ACCIDENTAL RELEASE MEASURES	
	6.1. Personal precautions, protective equipment and emergency procedures.	Wear appropriate protective clothing as described in Section 8.
		For non-emergency and emergency personnel: Treat any propylene oxide leak as an emergency. All cleanup personnel must wear full protective equipment. Evacuate all personnel from the area except those directly engaged in stopping the leak or in cleaning up.

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6.2. Environmental precautions.	water from enteri It is mandatory to (800-424-8802) if	Dike runoff water, if possible, to prevent contaminated water from entering sewers, ditches, streams and ponds. It is mandatory to call the National ¬Response Center (800-424-8802) if 100 pounds (45.4 kg) or more is spilled or released to the environment.		
6.3. Methods and materials for conta cleaning up.	Propylene oxide/s detonate. Use w Blanket spill with vapors. Collect w or earth and plac disposal. Do not	ion sources if this ca air mixtures ignite re ater fog or spray to o water fog or alcohol ith an inert absorber e into an appropriate use clay-based abs erials. Do not flush to	eadily and may disperse vapors. I foam to reduce nt such as dry sand e container for orbents or	

7. HANDL	ING AND STORAGE	
	cautions for safe handling.	Wear all recommended protective clothing and devices when handling this material. Have established handling and emergency response procedures in place prior to use. Ground and bond shipping container, transfer line, and receiving container. Use non-sparking tools and equipment, including explosion proof ventilation. Empty containers retain product residues and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames. Protect containers from physical damage and regularly inspect them for cracks, leaks or faulty valves.
	nditions for safe storage, including any compatibilities.	Storage Segregation: Store propylene oxide in a cool, dry, well-ventilated area away from incompatible chemicals and sources of ignition. Store cylinders and drums upright; secure containers tightly; do not drag or slide; and move in a carefully supervised manner with a suitable hand truck. DO NOT STORE IN DIRECT SUNLIGHT.
		Shipping and Storage Containers: (See 49 CFR 173.201 and 173.243) Propylene oxide is shipped and stored in a unique UN 1A1 specification drum, and DOT specification cylinders and portable tanks. Nitrogen is charged into the container after filling with propylene oxide, bringing the total container pressure up to 50 psig. Before returning container to supplier, pressurize container with nitrogen to 50 psig total pressure; close valves and replace valve plugs tightly in outlets. Check container valves and plugs for leaks prior to shipment. In addition, please refer to the most current edition of NFPA Publication NFPA 30, 'Flammable and Combustible Liquids Code.'  Incompatibilities: Avoid acids, bases, peroxides, oxidizing agents, clay-based absorbents, polymerization catalysts, epoxy resins, anhydrous metal chlorides.

8.	EXPOSURE CONTROLS/PERSONAL PROTECTIO	N			
	8.1. Control parameters.		Exp	oosure Limits	
		Source	TWA (8-hr)	STEL (15-min)	OTHER
		OSHA	100 ppm (240 mg/m3)	No applicable information found	No applicable information found

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	ACGIH	2 pp (4.8 m	om ig/m3)	No applicable information found	400 ppm IDLH
8.2. Appropriate engineering contro	in area engine electric safe. V propyle NFPA:  Ventilat levels of worker maximum be in consequence work and thorouge work and thorouge engine electric safe. V propyle NFPA:  Ventilat levels of worker maximum be in consequence safe safety deluge work and thorouge system unload thorouge.	s processire red and d al/fire code all devices When consine oxide s tion: Instation: Instation system explosion explosion pilance PA 30 (Flata Showers: showers, a eas.  all engined where was the eng. Practic	ng or hesignees. Saras expidering hould call and as power on with Fearman was ering sapor metrical general was ering sapor metrical general sapor metrical general was ering sapor metrical general sapor metrical sapor m	andling propyled to the applicate deguards can in plosion-proof and engineering consult the current Combustible operate general enough to be below the OS Ventilation systems to be expewash statically grounded/bd personal hyg	aclude designing ad/or intrinsically partrols, users of tent edition of Liquids Code).  al and local exhaust maintain airborne HA PEL in the estems must be of ession controls must ad local regulations. Estible Liquids  ans, emergency available in all explosion-proof in Container and
8.3. Individual protection measures personal protective equipment	splashi suppler NEVEF propyle Skin p head or to prev contam Respiraregulat limited respirarecomr purifyin Otherw with ful	ng may oon mentary properties of the content of the	cur, we otective ONTAGE Wear in selection in selection at 29 C situation at the current of the c	ear a full face sign measure over CT LENSES what impervious glown pervious body of skin contact.  Refer to OSH FR 1910.134. The limitation will be clearly user, the limitation will be clearly user.	r safety glasses. hen working with ves; boots; aprons; c-covering clothing t. Launder  A respirator For short-term or ed air-purifying apors is s of using air-

9. PHYSICAL AND CHEMICAL PROPERTIES	
9.1. Information on basic physical and chemical pro-	operties.
Appearance (physical state, color, etc.).	Colorless liquid
Odor.	Sweet, Ether-like odor
Odor threshold.	200 ppm
pH.	7, neutral (100 g/L in water)
Melting point/freezing point.	-169 °F (-111.9 °C)
Initial boiling point and boiling range.	94 °F (34.2 °C)

Flash point.	Tag Closed Cup: -35 °F (-37.2 °C)
Evaporation rate.	100% volatile by volume
Flammability (solid, gas).	Flammable
Upper/lower flammability or explosive limits.	Upper flammable limit: 38.5% vol/vol Lower flammable limit: 1.7% vol/vol
Vapor pressure.	455 mmHg @ 20 °C
Vapor density.	2.0 (Air = 1)
Relative density.	0.833 at 20 °C
Solubility (ies).	39.5% in water @ 20 ℃
Partition coefficient: n-octanol/water.	0.03
Auto ignition temperature.	869 °F (465 °C)
Decomposition temperature.	No applicable information found
Viscosity.	0.29 centipoise at 77 °F
Oxidizing properties.	Not an oxidizer
Corrosivity	Not Corrosive

. STABILITY AND REACTIVITY	
10.1.Reactivity.	Material is stable for extended periods in closed, airtight, pressurized containers at room temperature, under normal storage and handling conditions. Vapors may explode when exposed to common ignition sources.
10.2. Chemical stability.	Stable.
10.3. Possibility of hazardous reactions.	Polymerization reaction can occur when propylene oxide is contaminated or when heated.
10.4. Conditions to avoid (e.g., static discharge, shock or vibration).	Avoid contact of propylene oxide with incompatible chemicals. Prevent exposure to all sources of ignition such as heat, flame, lighted tobacco products or electrical or mechanical sparks.
10.5. Incompatible materials.	See section 7.2
10.6. Hazardous decomposition products.	Propylene oxide undergoes thermal decomposition to form carbon dioxide and carbon monoxide gases.

11. TOXICOLOGICAL INFORMATION	
11.1. Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact);	Inhalation; eye contact; skin contact/absorption.
11.2. Symptoms related to the physical, chemical and toxicological characteristics;	Eye Contact: Liquid propylene oxide is severely irritating and corrosive to the eyes and contact can cause swelling of the conjunctiva and irreversible corneal injury. Vapors may cause eye irritation, tearing, redness and swelling of the conjunctiva.  Skin Contact: Prolonged contact with liquid propylene oxide can cause severe irritation with redness, pain, severe burns, and formation of blisters. Propylene oxide may be absorbed by the skin in harmful amounts causing systemic effects similar to those listed under ingestion and inhalation. Propylene oxide is a skin sensitizer and some individuals may suffer an allergic skin reaction. Skin contact may also cause allergic contact dermatitis in some exposed individuals. Dilute solutions may be more irritating than undiluted materials.  Inhalation: Inhaling concentrated vapor may cause serious health effects, possibly death. Inhalation may cause mucous membrane and respiratory irritation, CNS depression, nausea, vomiting, lachrimation, dypsnea, changes in salivary glands, iritis, muscle weakness, headaches, dizziness, coughing, narcosis, drunkenness, and loss of coordination.

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	ppm) and the sens protection against <b>Ingestion:</b> This re expected to cause and throat, abdomi	elatively unlikely rout severe irritation and inal pain, nausea, vo may occur during sw	provide adequate
11.3. Delayed and immediate effects and also chronic effects from short- and long-term exposure;	Skin Contact: Prodelayed secondary Inhalation: Studie effects such as groinjury. Ingestion: Studie effects such as losslight liver injury. Carcinogenicity: OSHA: Not classifies panimal carcinogen NTP classifies produced to be a IARC classifies procarcinogenic to hu	y burns, ulcers or sues with animals have bowth depression, lurses with animals have as of body weight, garaged with unknown relevant with unknown relevant human carcinogen opylene oxide in Gramans).	exposure may cause perficial scarring. shown chronic and slight liver shown chronic astric irritation and shown chronic astriction and shown chronic
11.4. Numerical measures of toxicity (such as acute toxicity estimates).	concentrations of mucous membran depression, lacrim glands, nausea, vo Chronic Inhalation similar to those ob Acute Dermal: St minutes – severe if for this product is Chronic Dermal: available on this p Eye: Standard Drirritation.  Acute Ingestion: 380 mg/kg, rat Chronic Ingestion changes in the brace Carcinogenicity: cancers at the site Sarcomas occurred to Mutagenicity: Promutagenic in expetyphimurium, esch spermatids, and no no mutagenicity is causes DNA stran vitro. The mean co with more than 20	at) an species exposed propylene oxide had e irritation, central nation, dypsnea, chaomiting, iritis and muon: Symptoms of chaserved in acute studandard Draize test, irritation. The acute 1245 mg/kg. No chronic dermal troduct. The acute oral LD50. The acute oral LD50. The acute oral studain, liver and lung. Propylene oxide aper of exposure in experted at injection sites, a with chronic exposuropylene oxide has berimental animals incorporational coli, drosopheurospora crassa as inconclusive althout thromosome aberrat	I symptoms of ervous system inges in salivary uscle weakness. Ironic exposure are dies. Ironic exposure are dies and as all and Glare. Ironic exposure are found to be cluding salmonella hila spermatozoa and esays. Human data gh propylene oxide diploid fibroblasts in ion rate in workers propylene oxides was are dies and in salivary are dies are dies and ironic exposure oxide diploid fibroblasts in ion rate in workers propylene oxides was

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Effective Date: 15 August 2022	Neurotoxicity: Ir has caused CNS headache, motor coma, and neurop Peripheral neurop with experimental Reproductive Effects have been Teratology: Inhar rats exposed to possible 500 ppm showed abnormalities. Target Organs:	n high concentrations effects, including CN weakness, loss of coathy in experimenta athy has been report animals. Fects: Effects on fer noted in experimental ation development ropylene oxide vapor fetotoxicity and development over exposure to this spiratory system, rep	s propylene oxide IS depression, pordination, ataxia, I animal studies. ted in chronic studies tility and paternal tal animals. toxicity studies with r at concentrations of elopmental s product may affect

12. ECOLOGICAL INFORMATION	
12.1. Ecotoxicity (aquatic and terrestrial, where	Acute LC <sub>50</sub> data:
available).	170 mg/L/24 hr, goldfish (Carassius auratus) 89 ppm/96 hr, mullet
12.2. Persistence and degradability.	Chemical Fate Information: BODT (BOD Theoretical): 8%. If released to the atmosphere, propylene oxide will react in the vapor phase with photochemically produced hydroxyl radicals with an estimated half-life of approximately 30 days. Atmospheric removal by rainfall may occur. If released to water, propylene oxide will hydrolyze at estimated half-life rates of 11.6 days (at pH's 7-9) and 6.6 days (at pH 5) at 25 deg C.) Adsorption to sediment and reaction with photochemically produced hydroxyl radicals in water are not expected to be environmentally important fate processes.
12.3. Bioaccumulative potential.	Log octanol/water partition coefficient (log Kow) is low. Partitioning from water to oil is low. Bioconcentration is not expected to occur due to high water solubility and a low log Kow. Bioconcentration in aquatic organisms is not expected to be an environmentally important fate process.
12.4. Mobility in soil.	If released to soil, propylene oxide is expected to be susceptible to leaching and chemical hydrolysis in moist soils. It is expected to evaporate relatively rapidly from dry soil surfaces.
12.5. Results of PBT and vPvB	No applicable information found.
12.6. Other adverse effects.	No applicable information found.

13. DISPOSAL CONSIDERATIONS	
13.1. Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging.	When disposed, propylene oxide is a RCRA hazardous waste with waste code D001 (ignitability). <b>DO NOT INCINERATE ANY PROPYLENE OXIDE CONTAINERS</b> . Dispose of waste materials in accordance with all applicable Federal, State and local laws and regulations.

14. TRANSPORT INFORMATION	
14.1. UN number.	1280
14.2. UN proper shipping name.	Propylene Oxide

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14.3. Transport hazard class (es).		IMO Primary: 3 (Flamr TDG (from or with Primary: 3 (Flamr Shipments of resi considered hazar receiving propyler shipper of hazard All facilities handl than 3,000 liters (	tity 100 lb (45.4 kg) mable Liquid) nin Canada) mable Liquid) dual amounts of produs material. All fance oxide are subjectious material (49 CFing propylene oxide	acilities shipping or t to registration as a FR 107, Subpart G). in containers greater also maintain a written
14.4. Packing group, ifapplicable.		1		
14.5. Marine pollutant (Yes/No).		No		
14.6. Special precautions which a us aware of or needs to comply we connection with transport or constitution or outside their premises	vith in onveyance either s.	See Section 7.2		
14.7. Transportation in bulk accordin MARPOL 73/78 and the IBC C		No applicable infor	mation found.	

15. REGULATORY INF	ORMATION		
15.1. Safety, health and environmental regulations specific for the product in question.			
US Federal:	CERCLA:	Reportable Quantity – 100 lb Section 103 (40 CFR 302.4)	
	CWA:	Release into a waterway may require reporting to the National Response Center @ 800-424-8802 (40 CFR 116.4).	
	FDA/USDA:	Follow Good Manufacturing Practice (GMP).	
	FIFRA:	This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.	
		DANGER! Skull and crossbones CORROSIVE. Fatal if swallowed. Fatal if absorbed through skin. Fatal if inhaled. Causes irreversible eye damage. Causes skin burns. Do not get in eyes, on skin, or on clothing. Do not breathe vapor or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Exposure may cause suffocation and death. Do not breathe vapors or fumes.	
	OSHA:	This product is considered hazardous under the GHS guidelines of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.	
	PSM:	This product is subject to Process Safety Management (29 CFR 1910.119).	
	RCRA:	If discarded in purchased form, this product is not a listed or characteristic hazardous waste. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).	

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	RMP:	Listed under the EPA Chemical		
	SARA TITLE II	Management Plan: 40 CFR 68.  I: Section 302 Extremely Hazardo Threshold Planning Quantity (40 Section 304 – Listed 100 lb Rep Section 311/312 Hazard Catego Sudden Release (40 CFR 370.6 Section 313 Toxic Chemicals –	us Substances – Lis CFR 355 Appendix ortable Quantity (40 ries – Acute, Chron 6)	sted; 10000 lb x A) 0 CFR 302.5) ic, Fire, Reactive,
	TSCA:	On TSCA inventory.		
	Other EPA	EPA list of Hazardous Air Cont EPA Organic Hazardous Air Po EPA list of Pesticide Chemicals EPA NESHAPS (40 CFR 63.10 VOC Rule: 100% VOC	ollutant (HAP) list (4 s (40 CFR 180.491)	
	FDA/USDA:	Not applicable.		
US State:	California Proposition 65: Listed; cancer hazard. Notice: This product contains a chemical known to the State of California to cause cancer. California Director's List: Listed Florida Hazardous Substance List: Listed Massachusetts Extraordinarily Hazardous Substance List: Listed Minnesota Hazardous Substance List: Listed New Jersey Hazardous Substance List: Listed sn 1615 Pennsylvania Right-to-know List: Listed (Special Hazardous Substance; Environmental Hazardous Substance)			
Canadian:	DSL:	Listed as methyloxirane (publish	ned 21 December 2	011)
	WHMIS:	Ingredient Disclosure List: Liste Classification: B2; D1B; D2A; I	)2B; F	,
		ot intended for use in Canada and my duct Regulations.	y not comply with th	e Canadian
EU:	CLP: EINECS: REACH: Safety Data Sheets:	This SDS is not intended for use	in the European Ur	nion.
15.2. It shall be indicated if a chemical safety assessment has been carried out for the substance or the mixture by the supplier.		Not applicable.		

		DING INFORMATION ON PREPARATION AND REVISION		
Reason for Issue:	New	Reformatted per OSHA GHS. Added part 10.1. Indicated SDS is not intended		
		for Canada or EU. Added metallic plug info to 5.2. Added 'Sudde		
		SARA. Completed spell check. Updated citations. Corrected RQ in Section		
		6.2.		
	Α	Remove contact information for Canutec removed		
	В	Added Corrosivity to section 9 physical and chemical properties		
		to support 29 CFR 1910.119(d)(1)		
	С	Modified 8.3 to add air purifying respirators. Format Modification	1/18/2016	
Risk Phrases Used:	See Section	on 2.		
Hazard Ratings:	The following NFPA hazard ratings are recommended for this product:			
	Fire – 4; Health – 3; Reactivity – 2; Specific Hazard – Personal Protection Code = X			
	(Consult your supervisor or standard operating procedures for special handling directions.)			
For safe handling, refer	to NFPA 654	, Standard for the prevention of Fire and Dust Explosions from the		
Manufacturing, Process	sing, and Han	dling of Combustible Particulate Solids.		

THE FOLLOWING ABBREVIATIONS MAY BE USED IN THIS DOCUMENT:		
ACGIH	American Council of Governmental Industrial Hygienists	
AICS	Australian Inventory of Chemical Substances	

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CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CLP	Classification, Labeling and Packaging
CWA	Clean Water Act
D.O.T.	Department of Transportation
DSL	Domestic Substance List (Canada)
EC <sub>50</sub>	Effective concentration which induces a response halfway between the baseline and maximum.
EC	European Community
ECL	Existing Chemicals List (Korea)
EINECS	European Inventory of Existing Commercial Substances
EU	European Union
FDA	Food and Drug Administration
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
GHS	Globally Harmonized System
IBC	International Bulk Chemical Code
IDLH	Immediately Dangerous to Life and Health
Kst	Deflagration Index
LC <sub>50</sub>	Lethal concentration for 50% mortality of subject species
LD <sub>50</sub>	Lethal dose for 50% mortality of subject species
LD <sub>LO</sub>	Lethal dose low; the lowest dose of a substance introduced by any route other than inhalation reported
	to have caused death in humans or animals.
LEL / LFL	Lower Explosive Limit / Lower Flammable Limit
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety Health Administration
NFPA	National Fire Protection Association
NIOSH	National Institute of Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PBT	Persistent Bioaccumulative Toxic
PEL	Permissible Exposure Limit (default 8 hour day, 40 hour week TWA)
PSM	Process Safety Management
RCRA	Resource Conservation and Recovery Act
REACH	Registration, Evaluation, Authorization and Restriction of Chemical Substances
REL	Recommended Exposure Limit (default 10 hour day, 40 hour week TWA)
RMP	Risk Management Plan
SARA	Superfund Amendment and Reauthorization Act
STEL	Short Term Exposure Limit (default 15 minute TWA)
TD <sub>LO</sub>	Lowest dose to which humans or animals have been exposed and reported to produce a toxic effect
	other than cancer
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
UFL	Upper Flammable Limit
USDA	United States Department of Agriculture
vPvB	Very Persistent, Very Bioaccumulative

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