

Safety Data Sheet SIO6708.0 Date of issue: 01/30/2015 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** Product form : Substance Physical state : Liquid Substance name : 7-OCTENYLTRICHLOROSILANE Product code SIO6708.0 Formula : C8H15Cl3Si : TRICHLOROSILYLOCTENE; TRICHLORO-7-OCTENYLSILANE Synonyms : ORGANOCHLOROSILANE Chemical family 1.2. Relevant identified uses of the substance or mixture and uses advised against : Chemical intermediate Use of the substance/mixture For research and industrial use only 1.3. Details of the supplier of the safety data sheet GELEST, INC. 11 East Steel Road Morrisville, PA 19067 USA T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST info@gelest.com - www.gelest.com 1.4. **Emergency telephone number** Emergency number : CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International) **SECTION 2: Hazards identification** Classification of the substance or mixture 2.1. **Classification (GHS-US)** Skin Corr. 1B H314 Eye Dam. 1 H318 Full text of H-phrases: see section 16 Label elements 2.2. **GHS-US** labeling Hazard pictograms (GHS-US) GHS05 Signal word (GHS-US) : Danger Hazard statements (GHS-US) : H314 - Causes severe skin burns and eye damage H318 - Causes serious eye damage Precautionary statements (GHS-US) : P280 - Wear protective gloves/protective clothing/eye protection/face protection P260 - Do not breathe vapors P264 - Wash hands thoroughly after handling P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P303+P361+P353 - If on skin (or hair): take off immediately all contaminated clothing. rinse skin with water/shower 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 P310 - Immediately call a doctor P363 - Wash contaminated clothing before reuse P405 - Store locked up P501 - Dispose of contents/container to licensed waste disposal facility. **Other hazards** 2.3. No additional information available Unknown acute toxicity (GHS-US) 2.4.

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SECTION 3: Composition/information on ingredients					
3.1. Substance					
Substance type : Mono-constituent					
Name	: 7-OCTENYLTRICHLOROSILANE				
CAS No : 52217-52-4					
EC no	: 257-7	47-2			
Name		Product identifier	%	Classification (GHS-US)	
7-Octenyltrichlorosilane		(CAS No) 52217-52-4	> 95	Skin Corr. 1B, H314 Eye Dam. 1, H318	
Hydrogen chloride		(CAS No) 7647-01-0		Skin Corr. 1A, H314 Eye Dam. 1, H318	

3.2. Mixture

Not applicable

SECTION 4: First aid measures				
4.1. Description of first aid measures				
First-aid measures general	nove contaminated clothing and shoes. In case of accident or if you feel dical advice immediately (show the label where possible). If possible show ilable show packaging or label.			
First-aid measures after inhalation	nove victim to fresh air and keep at rest in a position comfortable for brea ice/attention.	thing. Get medical		
First-aid measures after skin contact	sh with plenty of soap and water. Get immediate medical advice/attentior	۱.		
First-aid measures after eye contact	nediately flush eyes thoroughly with water for at least 15 minutes. Removes sent and easy to do. Continue rinsing. Get immediate medical advice/atte			
First-aid measures after ingestion	ver give anything by mouth to an unconscious person. Get medical advice	e/attention.		
4.2. Most important symptoms and effect	h acute and delayed			
Symptoms/injuries	uses severe skin burns and eye damage.			
Symptoms/injuries after inhalation	y cause irritation to the respiratory tract. Overexposure may cause: Coug usea.	hing. Headache.		
Symptoms/injuries after skin contact	uses (severe) skin burns.			
Symptoms/injuries after eye contact	uses serious eye damage.			
Symptoms/injuries after ingestion	y be harmful if swallowed.			

4.3. Indication of any immediate medical attention and special treatment needed

Note to physician- Eyes: If pain persists, repeat washing for 15 minutes or until pH of eye returns to normal. If great pain persists, place one (1) drop Benoxinate solution (0.4%) in the affected eye.

SECTIC	ON 5: Firefighting measures				
5.1.	Extinguishing media				
Suitable extinguishing media		: Water spray. Foam. Carbon dioxide. Dry chemical.			
Unsuitable	e extinguishing media	: Water.			
5.2.	5.2. Special hazards arising from the substance or mixture				
Fire hazar	rd	: Irritating fumes of hydrogen chloride and organic acid vapors may develop when material is exposed to water or open flame.			
5.3.	Advice for firefighters				
Firefightin	ig instructions	: Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire			
Protection during firefighting		: Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.			
SECTION 6: Accidental release measures					
6.1.	Personal precautions, protective equipment and emergency procedures				
6.1.1.	For non-emergency personnel				
Emergenc	cy procedures	: Evacuate unnecessary personnel.			
612	For emergency responders				

6.1.2. For emergency responders Protective equipment : Equip cleanup crew with proper protection. 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

	rial for containment and cleanin			
Methods for cleaning up		any spills as soon as possible, using an absorbent material to collect it. Sweep or Ils into appropriate container for disposal.		
.4. Reference to other	sections			
See Heading 8. Exposure con	trols and personal protection.			
SECTION 7: Handling a	and storage			
7.1. Precautions for sat	fe handling			
Precautions for safe handling		ye and skin contact and do not breathe vapor and mist. Provide good ventilation in		
Hygiene measures	process area to prevent accumulation of vapors.Wash hands and other exposed areas with mild soap and water before eating, drinking or			
	smoking ar	nd when leaving work. Wash contaminated clothing before reuse.		
7.2. Conditions for safe	e storage, including any incomp	patibilities		
Storage conditions	ge conditions : Keep container tightly closed.			
ncompatible materials		ohols. Oxidizing agent.		
Storage area	: Store in a v	well-ventilated place. Store away from heat.		
7.3. Specific end use(s)	,			
No additional information avail	able			
SECTION 8: Exposure	controls/personal protec	tion		
3.1. Control parameters	S			
Hydrogen chloride (7647-0	1-0)			
USA ACGIH	ACGIH Ceiling (ppm)	2 ppm		
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	7 mg/m ³		
USA NIOSH	NIOSH REL (ceiling) (ppm)	5 ppm		
USA OSHA	OSHA PEL (Ceiling) (mg/m ³)	7 mg/m ³		
USA OSHA	OSHA PEL (Ceiling) (ppm)	5 ppm		
USA IDLH	US IDLH (ppm)	50 ppm		
3.2. Exposure controls				
Appropriate engineering contro		cal exhaust or general room ventilation.		
Personal protective equipment		nnecessary exposure. Emergency eye wash fountains and safety showers should		
	available in	n the immediate vicinity of any potential exposure.		
land protection	. Neopropo	er siteile rukker glaves		
Hand protection Eye protection		or nitrile rubber gloves. goggles or face shield. Contact lenses should not be worn.		
Eye protection	, and the second se			
Skin and body protection				
		rtified combination ordanic vapor/acid das (vellow cartridge) respirator.		
Respiratory protection	: NIOSH-cer	rtified combination organic vapor/acid gas (yellow cartridge) respirator.		
Respiratory protection SECTION 9: Physical a	: NIOSH-cer			
Respiratory protection SECTION 9: Physical a 9.1. Information on bas	: NIOSH-cer and chemical properties sic physical and chemical prope			
Respiratory protection SECTION 9: Physical a 0.1. Information on bas Physical state	: NIOSH-cer and chemical properties sic physical and chemical prope : Liquid	erties		
Respiratory protection SECTION 9: Physical a 9.1. Information on bas Physical state Appearance	: NIOSH-cer and chemical properties sic physical and chemical prope : Liquid : Clear liquid	erties d.		
Respiratory protection SECTION 9: Physical a 0.1. Information on bas Physical state Appearance Molecular mass	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m	erties d.		
Respiratory protection SECTION 9: Physical a 9.1. Information on bas Physical state Appearance Molecular mass Color	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw.	erties d. nol		
Respiratory protection SECTION 9: Physical a 9.1. Information on bas Physical state Appearance Molecular mass Color Odor	: NIOSH-cer and chemical properties sic physical and chemical prope : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi	erties d. nol ilar to hydrogen chloride.		
Respiratory protection SECTION 9: Physical a 9.1. Information on bas Physical state Appearance Molecular mass Color Odor Ddor threshold	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw.	erties d. nol ilar to hydrogen chloride.		
Respiratory protection SECTION 9: Physical a D.1. Information on bas Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av	erties d. nol ilar to hydrogen chloride. <i>y</i> ailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index oH	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av	erties d. nol ilar to hydrogen chloride. vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index OH Relative evaporation rate (buty	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av	erties d. nol ilar to hydrogen chloride. vailable vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index DH Relative evaporation rate (buty Melting point	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : NIOSH-cer	erties d. nol ilar to hydrogen chloride. vailable vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index oH Relative evaporation rate (buty Melting point Freezing point	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : No data av : No data av	erties d. nol ilar to hydrogen chloride. vailable vailable vailable vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index oH Relative evaporation rate (buty Melting point Freezing point Boiling point	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : No data av : < 0 °C	erties d. nol ilar to hydrogen chloride. vailable vailable vailable vailable		
2.1. Information on bas Physical state Appearance Molecular mass Color Odor Ddor threshold Refractive index bH Relative evaporation rate (buty Melting point Freezing point Soiling point Flash point Auto-ignition temperature	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : No data av : < 0 °C : 223 - 224 ° : 94 °C : No data av	erties d. nol ilar to hydrogen chloride. vailable vailable vailable vailable vailable vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index oH Relative evaporation rate (buty Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : No data av : < 0 °C : 223 - 224 ° : 94 °C : No data av : No data av : No data av : < 0 ac	erties d. nol ilar to hydrogen chloride. vailable vailable vailable vailable vailable		
Respiratory protection SECTION 9: Physical a Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index WH Relative evaporation rate (buty Melting point Freezing point Soiling point Flash point Auto-ignition temperature	: NIOSH-cer and chemical properties sic physical and chemical properties : Liquid : Clear liquid : 245.65 g/m : Straw. : Acrid. Simi : No data av : 1.4578 : No data av yl acetate=1) : No data av : < 0 °C : 223 - 224 ° : 94 °C : No data av	erties d. nol ilar to hydrogen chloride. vailable vailable vailable vailable vailable vailable vailable		

Relative vapor density at 20 °C	: >1		
Relative density	: 1.07		
Solubility	: Insoluble in water. Reacts with water.		
Log Pow	: No data available		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosive limits : No data available			
9.2. Other information			
No additional information available			
SECTION 10: Stability and reactivity			
10.1. Reactivity			
No additional information available			
10.2. Chemical stability			
Stable in sealed containers stored under a dry inc	ert atmosphere.		
10.3. Possibility of hazardous reactions			
Reacts with water and moisture in air, liberating h	nydrogen chloride.		
10.4. Conditions to avoid			
Heat. Open flame. Sparks.			
10.5. Incompatible materials			
Acids. Alcohols. Oxidizing agent.			
10.6. Hazardous decomposition products			
Hydrogen chloride. Organic acid vapors.			
SECTION 11: Toxicological informati	on		
11.1. Information on toxicological effects			
Acute toxicity	: Not classified		
Hydrogen chloride (7647-01-0)			
LD50 oral rat	238 - 277 mg/kg		
LD50 dermal rabbit	> 5010 mg/kg		
LC50 inhalation rat (mg/l)	1.68 mg/l (Exposure time: 1 h)		
ATE US (oral)	238.000 mg/kg body weight		
ATE US (vapors) ATE US (dust, mist)	1.680 mg/l/4h 1.680 mg/l/4h		
Skin corrosion/irritation	: Causes severe skin burns and eye damage.		
Serious eye damage/irritation	: Causes serious eye damage.		
Respiratory or skin sensitization	: Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Hydrogen chloride (7647-01-0)	3 - Not classifiable		
IARC group Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache.		
	Nausea.		
Symptoms/injuries after skin contact			
Symptoms/injuries after skin contact Symptoms/injuries after eye contact	Nausea.		
	Nausea. : Causes (severe) skin burns.		
Symptoms/injuries after eye contact	Nausea. : Causes (severe) skin burns. : Causes serious eye damage.		

SECTION 12: Ecological information	
12.1. Toxicity	
No additional information available	
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil No additional information available	
12.5. Other adverse effects	
Other adverse effects	: This substance may be hazardous to the environment.
Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product.
SECTION 13: Disposal consideration	S
13.1. Waste treatment methods	
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of
	contents/container to licensed waste disposal facility.
Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
14.1. UN number	
UN-No.(DOT)	: 2987
DOT NA no.	UN2987
14.2. UN proper shipping name	
Proper Shipping Name (DOT)	: Chlorosilanes, corrosive, n.o.s.
	(7-OCTENYLTRICHLOROSILANE)
Department of Transportation (DOT) Hazard Classes	: 8 - Class 8 - Corrosive material 49 CFR 173.136
Hazard labels (DOT)	: 8 - Corrosive
Packing group (DOT)	: II - Medium Danger
DOT Packaging Exceptions (49 CFR 173.xxx)	: None
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 206
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
14.3. Additional information	
Other information	: No supplementary information available.
Transport by sea	
DOT Vessel Stowage Location	: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Air transport	
DOT Quantity Limitations Passenger aircraft/rail	: Forbidden
(49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 30 L
SECTION 15: Regulatory information	
15.1. US Federal regulations	
Hydrogen chloride (7647-01-0)	
Listed on the United States TSCA (Toxic Substa	ances Control Act) inventory
Listed on the United States SARA Section 302	
Listed on United States SARA Section 313	

Hydrogon oblorido (7647	01 0)				
Hydrogen chloride (7647 SARA Section 302 Thresh		500 (gas on	v)		
Quantity (TPQ)	olu i lanining	500 (gas on	y)		
SARA Section 313 - Emiss	sion Reporting	1.0 % (acid a particle size		sts, vapors, gas, fog, and other airl	porne forms of any
7-Octenyltrichlorosilane (52217-52-4)					
Listed on the United States		ces Control A	ct) inventory		
15.2. International regulati	ons				
Hydrogen chloride (7647	-01-0)				
Listed on the AICS (Austra	,	cal Substanc	25)		
Listed on the Canadian DS Listed on IECSC (Inventor Listed on the EEC inventor Listed on the Japanese EN Listed on the Korean ECL Listed on NZIOC (New Zea Listed on PICCS (Philippin Japanese Poisonous and Listed on the Canadian ID	SL (Domestic Sustances y of Existing Chemical S ry EINECS (European I NCS (Existing & New Ch (Existing Chemicals Lis aland Inventory of Chemic Deleterious Substances	ELIST) Substances P nventory of E: nemical Subst t) icals) als and Chem Control Law	roduced or Imported i kisting Commercial Cl ances) inventory		
7-Octenyltrichlorosilane		,			
Listed on the AICS (Austra Listed on the Canadian NE Listed on the EEC invento	lian Inventory of Chem DSL (Non-Domestic Sub ry EINECS (European I	stances List)	,	nemical Substances)	
15.3. US State regulations 7-OCTENYLTRICHLOROS					
U.S California - Propositio		No			
U.S California - Propositio Toxicity	n 65 - Developmental	No			
U.S California - Propositio Toxicity - Female	on 65 - Reproductive	No			
U.S California - Propositio Toxicity - Male	on 65 - Reproductive	No	(\mathbf{P})		
Hydrogen chloride (7647-0)1-0)				
U.S California -	U.S California -		- California -	U.S California -	No significance risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxic		position 65 - roductive Toxicity - ale	Proposition 65 - Reproductive Toxicity - Male	(NSRL)
No	No	No		No	
7-Octenyltrichlorosilane (52217-52-4)				
U.S California -	U.S California -	U.S.	- California -	U.S California -	No significance risk level
Proposition 65 - Carcinogens List	Proposition 65 - Developmental Toxic	Prop	oosition 65 - roductive Toxicity -	Proposition 65 - Reproductive Toxicity - Male	(NSRĽ)
No	No	No		No	
Hydrogen chloride (7647-0 U.S California - SCAQMD	•	ts - Non-Can	cer Acute		<u>.</u>
	Contaminant List (AB 18 ous Air Pollutants - HLV ous Air Pollutants - HLV ous Air Pollutants - HLV I Release Prevention R I Release Prevention R Discharge Requirement iemicals List penic Toxic Air Pollutant Exposure Limits - Ceilir taminants e Quantity List for Pollut - Hazardous Air Pollutants wable Ambient Limits (A wable Threshold Conce	307, AB 2728 (s (30 min) (s (8 hr) egulations - S egulations - T egulations - T s - Reportable s - Acceptable s - Emission L gs tants ALS) htrations (ATC st - Groundwa	ufficient Quantities hreshold Quantities oxic Endpoints a Quantities Ambient Concentrat evels (ELs) Cs)	ions entration - Reporting Category 1 entration - Reporting Category 2	
U.S Massachusetts - Oil 8 01/30/2015	Hazardous Material Li		e Quantity	SDS ID: SIO6708.0	6/8

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Hydrogen chloride (7647-01-0)
U.S Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S Massachusetts - Right To Know List
U.S Massachusetts - Threshold Effects Exposure Limits (TELs)
U.S Massachusetts - Toxics Use Reduction Act
U.S Michigan - Occupational Exposure Limits - Ceilings
U.S Michigan - Polluting Materials List
U.S Michigan - Process Safety Management Highly Hazardous Chemicals
U.S Minnesota - Chemicals of High Concern
U.S Minnesota - Hazardous Substance List
U.S Minnesota - Permissible Exposure Limits - Ceilings
U.S New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S New Jersey - Discharge Prevention - List of Hazardous Substances
U.S New Jersey - Environmental Hazardous Substances List
U.S New Jersey - Right to Know Hazardous Substance List
U.S New Jersey - Special Health Hazards Substances List
U.S New Jersey - TCPA - Extraordinarily Hazardous Substances (EHS)
U.S New York - Occupational Exposure Limits - Ceilings
U.S New York - Reporting of Releases Part 597 - List of Hazardous Substances
U.S North Carolina - Control of Toxic Air Pollutants
U.S North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour
U.S Ohio - Accidental Release Prevention - Threshold Quantities
U.S Ohio - Extremely Hazardous Substances - Threshold Quantities
U.S Oregon - Permissible Exposure Limits - Ceilings
U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S Pennsylvania - RTK (Right to Know) List
U.S Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour
U.S Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual
U.S South Carolina - Toxic Air Pollutants - Maximum Allowable Concentrations
U.S South Carolina - Toxic Air Pollutants - Pollutant Categories
U.S Tennessee - Occupational Exposure Limits - Ceilings
U.S Texas - Effects Screening Levels - Long Term
U.S Texas - Effects Screening Levels - Short Term
U.S Vermont - Permissible Exposure Limits - Ceilings
U.S Washington - Permissible Exposure Limits - Ceilings
U.S Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
U.S Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet
U.S Wyoming - Process Safety Management - Highly Hazardous Chemicals

SECTION 16: Other information

Abbreviations and acronyms : Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation

Full text of H-phrases::

•	
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

Flammability

Health

: 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

: 2 Moderate Hazard

and Development.

Physical

: 1 Slight Hazard

Safety Data Sheet

Date of issue: 01/30/2015 Version: 1.0

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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