

Safety Data Sheet SIT8721.2 Date of issue: 09/14/2015 Version: 1.0

SECTION 1: Identification of the sub	ostance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Substance
Physical state	: Liquid
Substance name	: TRIS(TRIMETHYLSILOXY)SILYLETHYLTRIETHOXYSILANE
Product code	: SIT8721.2
Formula	: C17H46O6Si5
Synonyms	: 2-TRIETHOXYSILYLETHYLTRIS(TRIMETHYLSILOXY)SILANE
Chemical family	: ORGANOETHOXYSILANE
1.2. Relevant identified uses of the sub-	stance or mixture and uses advised against
Use of the substance/mixture	: Chemical intermediate For research 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 info@gelest.com - www.gelest.com	AM - 5:30 PM EST
1.4. Emergency telephone number	
Emergency number	: CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)
<b>SECTION 2: Hazards identification</b>	
2.1. Classification of the substance or r	nixture
Classification (GHS-US)	
Eye Irrit. 2A H319	
Full text of H-phrases: see section 16	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	
	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	: P280 - Wear protective gloves/protective clothing/eye protection/face protection
	P264 - Wash hands thoroughly after handling P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove
	contact lenses, if present and easy to do. Continue rinsing
	P337+P313 - If eye irritation persists: Get medical advice/attention
2.3. Other hazards	
Other hazards not contributing to the classification	: Additional ethanol may be formed by reaction with moisture and water. The hydrolysis product of this compound is ethanol. Overexposure to ethanol by skin absorption, inhalation or
	ingestion may have a narcotic effect (headache, nausea, drowsiness). Ethanol is metabolized
	to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis, CNS
	depression and death due to respiratory arrest. The US OSHA PEL (TWA) for ethanol is 1000 ppm. This product contains ethanol which is classified as a carcinogen by IARC in alcoholic
	beverages.
2.4. Unknown acute toxicity (GHS US)	
No data available	
<b>SECTION 3: Composition/information</b>	on on ingredients
3.1. Substance	
Substance type	: Mono-constituent

Safety Data Sheet

Name CAS No	: TRIS(TRIMETHYLSILOXY)SILYLETHYLTRIETHOXYSILANE : 1356114-66-3		
Name	Product identifier	%	Classification (GHS-US)
Tris(trimethylsiloxy)silylethyltriethoxysilane	(CAS No) 1356114-66-3	95 - 100	Eye Irrit. 2A, H319

### 3.2. Mixture

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measure	25
First-aid measures general	Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	: Wash with plenty of soap and water. Get medical advice/attention.
rst-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lens present and easy to do. Continue rinsing. Get medical advice/attention.	
First-aid measures after ingestion	: Never give anything by mouth to an unconscious person. Get medical advice/attention.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
Chronic symptoms	: On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.
4.2 Indication of any immediate me	dical attention and special treatment peeded

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

NOTE TO PHYSICIAN: This product reacts with water in the acid contents of the stomach to form ethanol.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Foam. Carbon dioxide. Dry chemical.
Unsuitable extinguishing media	: Do not use straight streams.
5.2. Special hazards arising from the su	bstance or mixture
Fire hazard	: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.
5.3. Advice for firefighters	
Firefighting 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.

SECTI	ON 6: Accidental release meas	su	res
6.1.	Personal precautions, protective equipment and emergency procedures		
6.1.1.	For non-emergency personnel		
Protectiv	re equipment	:	Wear protective equipment as described in Section 8.
Emerger	ncy procedures	:	Evacuate unnecessary personnel.
6.1.2.	For emergency responders		
Protectiv	e equipment	:	Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
6.2.	Environmental precautions		
Prevent	entry to sewers and public waters. Notify	/ ai	uthorities if liquid enters sewers or public waters.
6.3.	Methods and material for containment and cleaning up		
For cont	ainment	:	Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods	for cleaning up	:	Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

# TRIS(TRIMETHYLSILOXY)SILYLETHYLTRIETHOXYSILANE Safety Data Sheet

See Heading 8. Exposure controls and persona	al protection.
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid all eye and skin contact and do not breathe vapor and mist. Provide good ventilation in process area to prevent accumulation of vapors.
Hygiene measures	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, include	ding any incompatibilities
Storage conditions	: Keep container tightly closed.
Incompatible materials	: Moisture. Water.
Storage area	: Store in a well-ventilated place. Store away from heat.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/per	sonal protection
8.1. Control parameters	
No additional information available	
8.2. Exposure controls	
Appropriate engineering controls	: Provide local exhaust or general room ventilation.
Personal protective equipment	: Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should b available in the immediate vicinity of any potential exposure.
Hand protection	: Neoprene or nitrile rubber gloves.
Eye protection	: Chemical goggles. Contact lenses should not be worn.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is
	recommended. NIOSH-certified organic vapor (black cartridge) respirator.
<b>SECTION 9: Physical and chemical</b>	
	lorobernes
9.1. Information on basic physical and	chemical properties
9.1. Information on basic physical and Physical state	
9.1. Information on basic physical and Physical state Appearance	chemical properties : Liquid
9.1. Information on basic physical and Physical state Appearance	chemical properties         : Liquid         : Clear liquid.
9.1. Information on basic physical and Physical state Appearance Molecular mass	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol
9.1. Information on basic physical and Physical state Appearance Molecular mass Color	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078
9.1.       Information on basic physical and         Physical state       Appearance         Appearance       Molecular mass         Color       Odor         Odor       Odor threshold         Refractive index       pH         Relative evaporation rate (butyl acetate=1)	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078         : No data available
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078         : No data available         : No data available         : No data available
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9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point Freezing point Boiling point Flash point	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078         : No data available         : 140 °C @ 0.2 mm Hg
9.1.       Information on basic physical and         Physical state       Appearance         Appearance       Molecular mass         Color       Odor         Odor threshold       Refractive index         pH       Relative evaporation rate (butyl acetate=1)         Melting point       Freezing point         Boiling point       Flash point	chemical properties: Liquid: Clear liquid.: 486.98 g/mol: Straw.: Mild.: No data available: 1.4078: No data available: 140 °C @ 0.2 mm Hg: > 150 °C
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point Freezing point Boiling point Flash point Flash point Auto-ignition temperature Decomposition temperature	chemical properties: Liquid: Clear liquid.: 486.98 g/mol: Straw.: Mild.: No data available: 1.4078: No data available: 140 °C @ 0.2 mm Hg: > 150 °C: No data available
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point Freezing point Boiling point Flash point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas)	chemical properties: Liquid: Clear liquid.: 486.98 g/mol: Straw.: Mild.: No data available: 1.4078: No data available: $< 0 \ ^{\circ}C$ : 140 \ ^{\circ}C @ 0.2 mm Hg: > 150 \ ^{\circ}C: No data available: No data available: No data available
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Odor threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point Freezing point Boiling point Flash point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas)	chemical properties         :       Liquid         :       Clear liquid.         :       486.98 g/mol         :       Straw.         :       Mild.         :       No data available         :       1.4078         :       No data available         :       > 150 °C         :       No data available
9.1. Information on basic physical and Physical state Appearance Molecular mass Color Odor Threshold Refractive index pH Relative evaporation rate (butyl acetate=1) Melting point Freezing point Boiling point Flash point Auto-ignition temperature Decomposition temperature Flammability (solid, gas) Vapor pressure	<ul> <li>chemical properties</li> <li>Liquid</li> <li>Clear liquid.</li> <li>486.98 g/mol</li> <li>Straw.</li> <li>Mild.</li> <li>No data available</li> <li>1.4078</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>&lt; 0 °C</li> <li>140 °C @ 0.2 mm Hg</li> <li>&gt; 150 °C</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>&gt; 150 °C</li> <li>No data available</li> <li>&gt; No data available</li> <li>&lt; 0 °C</li> <li>140 °C @ 0.2 mm Hg</li> <li>&lt; &gt; 150 °C</li> <li>No data available</li> <li>No data available</li> <li>&lt; No data available</li> <li>&lt; No data available</li> <li>&lt; 0 °C</li> <li>&lt; 140 °C @ 0.2 mm Hg</li> <li>&lt; &gt; 150 °C</li> <li>&lt; No data available</li> <li>&lt; No data available</li> <li>&lt; No data available</li> <li>&lt; No data available</li> <li>&lt; 0.01 mm Hg @ 20°C</li> </ul>
9.1.Information on basic physical andPhysical stateAppearanceMolecular massColorOdorOdor thresholdRefractive indexpHRelative evaporation rate (butyl acetate=1)Melting pointFreezing pointBoiling pointFlash pointAuto-ignition temperatureDecomposition temperatureFlammability (solid, gas)Vapor pressureRelative vapor density at 20 °C	<ul> <li>chemical properties</li> <li>Liquid</li> <li>Clear liquid.</li> <li>486.98 g/mol</li> <li>Straw.</li> <li>Mild.</li> <li>No data available</li> <li>1.4078</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>&lt; 0 °C</li> <li>140 °C @ 0.2 mm Hg</li> <li>&gt; 150 °C</li> <li>No data available</li> <li>No data available</li> <li>&lt; no data available</li> <li>&lt; 150 °C</li> <li>No data available</li> <li>&lt; No data available</li> <li>&lt; No data available</li> <li>&lt; 150 °C</li> <li>&lt; No data available</li> </ul>
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9.1.Information on basic physical andPhysical stateAppearanceMolecular massColorOdorOdor thresholdRefractive indexpHRelative evaporation rate (butyl acetate=1)Melting pointFreezing pointBoiling pointFlash pointFlash pointAuto-ignition temperatureDecomposition temperatureFlarmability (solid, gas)Vapor pressureRelative densitySolubilityLog PowLog Kow	<ul> <li>chemical properties</li> <li>Liquid</li> <li>Clear liquid.</li> <li>486.98 g/mol</li> <li>Straw.</li> <li>Mild.</li> <li>No data available</li> <li>1.4078</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li>No data available</li> <li><li><li><li><li><li><li><li><li><li></li></li></li></li></li></li></li></li></li></li></ul>
9.1.Information on basic physical andPhysical stateAppearanceMolecular massColorOdorOdor thresholdRefractive indexpHRelative evaporation rate (butyl acetate=1)Melting pointFreezing pointBoiling pointFlash pointAuto-ignition temperatureDecomposition temperatureFlammability (solid, gas)Vapor pressureRelative vapor density at 20 °CRelative density	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078         : No data available         : < 0 °C
9.1.Information on basic physical andPhysical stateAppearanceMolecular massColorOdorOdor thresholdRefractive indexpHRelative evaporation rate (butyl acetate=1)Melting pointFreezing pointBoiling pointFlash pointAuto-ignition temperatureDecomposition temperatureFlammability (solid, gas)Vapor pressureRelative densitySolubilityLog PowLog KowViscosity, kinematic	chemical properties         : Liquid         : Clear liquid.         : 486.98 g/mol         : Straw.         : Mild.         : No data available         : 1.4078         : No data available         : < 0 °C

# TRIS(TRIMETHYLSILOXY)SILYLETHYLTRIETHOXYSILANE Safety Data Sheet

Explosion 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.	
<b>10.3. Possibility of hazardous reactions</b> Reacts with water and moisture in air, liberating	ethanol
-	etrano.
10.4. Conditions to avoid	
Heat. Open flame. Sparks.	
10.5. Incompatible materials	
Moisture. Water.	
10.6. Hazardous decomposition products	ŝ
Ethanol. Organic acid vapors.	
SECTION 11: Toxicological informat	lion
11.1. Information on toxicological effects	
Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: This compound liberates ethanol on contact with moisture. Material generates ethanol on contact with water or moisture in skin, eyes and mucous membranes and has an irritating, dehydrating effect on overexposed tissue.
Symptoms/injuries after inhalation	: May cause irritation to the respiratory tract.
Symptoms/injuries after skin contact	: May cause skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be harmful if swallowed.
Chronic symptoms	: On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.
Reason for classification	: Expert judgment
<b>SECTION 12: Ecological information</b>	
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.

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SECTION 13. Dispos	sal considerations			
13.1. Waste treatment	t methods			
Sewage disposal recomme	ndations : Do	o not dispose of waste into sewer.		
Waste disposal recommend	dations : Ma	ay be incinerated. Dispose in a sat	fe manner in accordance with	local/national regulations.
Ecology - waste materials	: Av	oid release to the environment.		
SECTION 14: Transp	ort information			
14.1. UN number				
Not regulated for transport.				
14.2. UN proper shipp	bing name			
Not applicable				
14.3. Additional informa	ition			
Other information	: No	supplementary information availa	able.	
Transport by sea				
No additional information a	vailable			
Air transport	vollabla			
No additional information a				
SECTION 15: Regula	itory information			
15.1. US Federal regulation	ons			
TRIS(TRIMETHYLSILOX	Y)SILYLETHYLTRIETHOX	YSILANE (1356114-66-3)		
TSCA Exemption/Exclusion		AUTION: This material is supplied		
		&D exemption under TSCA, 40 CF		
exemption, including supervision by a "technically qualified individual" as defined by 40 CFR 720.3(ee). The use of this material for "commercial purposes" as defined by 40 CFR 720.3(r)				
	is	not permitted in the United States.		
Tris(trimethylsiloxy)sily	lethyltriethoxysilane (1356	0114-66-3)		
	tates TSCA (Toxic Substan			
15.2. International regulat	tions			
No additional information a				
15.3. US State regulations				
TRIS(TRIMETHYLSILOXY	)SILYLETHYLTRIETHOXY	, ,		
TRIS(TRIMETHYLSILOXY U.S California - Propositio	)SILYLETHYLTRIETHOXY on 65 - Carcinogens List	No		
TRIS(TRIMETHYLSILOXY U.S California - Propositio U.S California - Propositio	)SILYLETHYLTRIETHOXY on 65 - Carcinogens List	, ,		
TRIS(TRIMETHYLSILOXY U.S California - Propositie U.S California - Propositie Toxicity	<b>SILYLETHYLTRIETHOXY</b> on 65 - Carcinogens List on 65 - Developmental	No No		
TRIS(TRIMETHYLSILOXY U.S California - Propositio U.S California - Propositio	<b>SILYLETHYLTRIETHOXY</b> on 65 - Carcinogens List on 65 - Developmental	No		
TRIS(TRIMETHYLSILOXY U.S California - Propositie U.S California - Propositie Toxicity U.S California - Propositie	<b>SILYLETHYLTRIETHOXY</b> on 65 - Carcinogens List on 65 - Developmental on 65 - Reproductive	No No		
TRIS(TRIMETHYLSILOXY U.S California - Propositio U.S California - Propositio Toxicity U.S California - Propositio Toxicity - Female	<b>SILYLETHYLTRIETHOXY</b> on 65 - Carcinogens List on 65 - Developmental on 65 - Reproductive	No           No           No           No		
TRIS(TRIMETHYLSILOXY U.S California - Propositie U.S California - Propositie Toxicity U.S California - Propositie Toxicity - Female U.S California - Propositie Toxicity - Male	SILYLETHYLTRIETHOXY on 65 - Carcinogens List on 65 - Developmental on 65 - Reproductive on 65 - Reproductive	No       No       No       No		
TRIS(TRIMETHYLSILOXY         U.S California - Propositie         U.S California - Propositie         Toxicity         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Male         Tris(trimethylsiloxy)silyle         U.S California -	SILYLETHYLTRIETHOXY on 65 - Carcinogens List on 65 - Developmental on 65 - Reproductive on 65 - Reproductive thyltriethoxysilane (13561 U.S California -	No       No       No       No	U.S California -	No significance risk level
TRIS(TRIMETHYLSILOXY         U.S California - Propositie         U.S California - Propositie         Toxicity         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Male         Tris(trimethylsiloxy)silyle         U.S California - Proposition	SILYLETHYLTRIETHOXY         on 65 - Carcinogens List         on 65 - Developmental         on 65 - Reproductive         on 65 - Reproductive         on 65 - Reproductive         U.S California - Proposition 65 -	No No No <b>14-66-3)</b> U.S California - Proposition 65 -	Proposition 65 -	No significance risk level (NSRL)
TRIS(TRIMETHYLSILOXY         U.S California - Propositie         U.S California - Propositie         Toxicity         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Male         Tris(trimethylsiloxy)silyle         U.S California -	SILYLETHYLTRIETHOXY on 65 - Carcinogens List on 65 - Developmental on 65 - Reproductive on 65 - Reproductive thyltriethoxysilane (13561 U.S California -	No No No No 14-66-3) U.S California - Proposition 65 - Reproductive Toxicity -	Proposition 65 - Reproductive Toxicity -	No significance risk level (NSRL)
TRIS(TRIMETHYLSILOXY         U.S California - Propositie         U.S California - Propositie         Toxicity         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Female         U.S California - Propositie         Toxicity - Male         Tris(trimethylsiloxy)silyle         U.S California - Proposition	SILYLETHYLTRIETHOXY         on 65 - Carcinogens List         on 65 - Developmental         on 65 - Reproductive         on 65 - Reproductive         on 65 - Reproductive         U.S California - Proposition 65 -	No No No <b>14-66-3)</b> U.S California - Proposition 65 -	Proposition 65 -	5

### **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 and Development.

Safety Data Sheet

Full tex	t of H-phrases::	
	Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
	H319	Causes serious eye irritation

#### HMIS III Rating

: 2 Moderate Hazard - Temporary or minor injury may occur

Health Flammability Physical

: 2 Moderate Hazard

: 1 Slight Hazard

#### Prepared by safety and environmental affairs.

Date of issue: 09/14/2015 Version: 1.0

#### SDS US (GHS HazCom 2012) - Custom

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

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore. Information on this safety data sheet is not intended to constitute a basis for product specifications.

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