

Revision number: 2 Revision date: 10/06/2014

1. IDENTIFICATION

Product name: Product code: Hexamethyldisilane H0638

For laboratory research purposes.

Not for drug or household use.

TCI AMERICA

SAFETY DATA SHEET

Emergency telephone number:

Transportation Emergencies:

+1-703-527-3887 (International) Responsible department:

Environmental Health Safety and Security

TCI America (8:00am - 5:00pm) PST

Chemical Emergencies:

+1-503-286-7624

Chemtrec 24-Hour +1-800-424-9300 (U.S.A.)

+1-503-286-7624

TCI America

Product use: Restrictions on use:

Company:

TCI America 9211 N. Harborgate Street Portland, OR 97203 U.S.A. Telephone: +1-800-423-8616 / +1-503-283-1681 Fax: +1-888-520-1075 / +1-503-283-1987 e-mail: sales-US@TCIchemicals.com www.TCIchemicals.com

2. HAZARD(S) IDENTIFICATION

OSHA Haz Com: CFR 1910.1200: Eye Damage/Irritation [Category 2A] Sensitization - Skin [Category 1] Specific Target Organ Toxicity (Single Exposure) [Category 3] Flammable Liquids [Category 2]

Signal word:

Hazard Statement(s):

Danger!

Causes serious eye irritation Highly flammable liquid and vapor May cause an allergic skin reaction May cause respiratory irritation.

Pictogram(s) or Symbol(s):



Precautionary Statement(s): [Prevention]

[Response]

[Storage]

[Disposal]

Wash hands and face thoroughly after handling. Wear eye and face protection. Avoid breathing dusts or mists. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Avoid breathing fume, mist, vapors or spray. Use only outdoors or in a well-ventilated area. Keep away from heat, sparks, open flames or other hot surfaces. - No smoking. Keep container tightly closed. Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, lighting, and equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves, eye protection and face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in a well-ventilated place.

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3. (See Section 13)

TCI AMERICA

2. HAZARD(S) IDENTIFICATION

3. COMPOSITION/INFORMATION ON INGREDIENTS

5. COMPOSITION/INFORMATION	
Substance/Mixture:	Substance
Components:	Hexamethyldisilane
Percent:	>98.0%(GC)
CAS Number:	1450-14-2
Molecular Weight:	146.38
Chemical Formula:	$C_6H_{18}Si_2$
4. FIRST-AID MEASURES	
Inhalation:	May cause coughing, difficult breathing and nausea. Call a poison center or doctor if you feel unwell. Effects of exposure (inhalation) to substance may be delayed. Inhalation of vapors or contact with substance will result in contamination and potential harmful effects. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s)
Skin contact:	involved and take precautions to protect themselves. Call a poison center or doctor if you feel unwell. Effects of exposure (skin contact) to substance may be delayed. Remove and wash contaminated clothing before re-use. Remove and isolate contaminated clothing and shoes. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Eye contact:	IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. Contact with material may irritate or burn eyes. Call emergency medical service. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects or exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Ingestion:	Do not induce vomiting with out medical advice. Effects of exposure (ingestion) to substance may be delayed. Call a physician or Poison Control Center immediately. Do not use mouth-to-mouth method if victim ingested the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
Symptoms/effects:	
Acute: Delayed:	Redness. May cause skin sensitization. May have effects on the respiratory tract.
Immediate medical attention:	CAUTION: Victim may be a source of contamination. If breathing has stopped, perform artificial respiration Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
5. FIRE-FIGHTING MEASURES	
Suitable extinguishing media:	Dry chemical, CO_2 , water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale fire fighting operations.
Specific hazards arising from the cher Hazardous combustion products: Other specific hazards:	nical These products include: Carbon oxides Silicates Closed containers may explode from heat of a fire.
have a very low flash point: Use of water	ht streams. Dike fire-control water for later disposal; do not scatter the material. CAUTION: All these products spray when fighting fire may be inefficient. Do not use straight streams. Runoff to sewer may create fire or de when heated. Move containers from fire area if you can do it without risk.

Special protective equipment for fire-fighters:

Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

6. ACCIDENTAL RELEASE MEASURES

6. ACCIDENTAL RELEASE MEAS Personal precautions:	Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Use spark-
	proof tools and explosion-proof equipment. Remove all sources of ignition. Do not touch damaged
	containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn
	unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Personal protective equipment:	Wear eye protection (splash goggles) and face protection (full length face shield). Wear protective clothing (chemical resistant suit and chemical resistant boots). Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).
Emergency procedures:	Isolate area until gas has dispersed. Do not clean-up or dispose except under supervision of a specialist. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and excercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective
	clothing. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed.

Methods and materials for containment and cleaning up:

ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). All equipment used when handling the product must be grounded. Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

Environmental precautions:

Keep away from living quarters. Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.

7. HANDLING AND STORAGE	
Precautions for safe handling:	Do NOT breath gas, fumes, vapor, or spray. Avoid contact with skin and eyes. Keep away from heat and sources of ignition. Use explosion-proof equipment. Use only non-sparking hand tool when handling this product. Ground all equipment containing material. Take measures to prevent build up of electrostatic charge. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using do not eat, drink, or smoke. Keep away from sources of ignition.
Conditions for safe storage:	Store locked up. Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition. Store and use away from heat, sparks, open flame, or any other ignition source. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods. Store under inert gas (e.g. Argon). Moisture sensitive.
Storage incompatibilities:	Combustible substances, Store away from oxidizing agents

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:

No data available

Appropriate engineering controls:

Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal protective equipment	
Respiratory protection:	Vapor respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.
Hand protection:	Wear protective gloves.
Eye protection:	Splash goggles.
Skin and body protection:	Lab coat.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C):	Liquid				
Form:	Clear				
Color:	Colorless - Slightly pale yellow				
Odor:	No data available				
Odor threshold:	No data available				
Melting point/freezing point:	13°C (Freezing point) (55°F)	pH:			
Boiling point/range:	113°C (235°F)	Vapor pressure:			
Decomposition temperature:	No data available	Vapor density:			
Relative density: Kinematic Viscosity:	0.73 No data available	Dynamic Viscosity:			
Partition coefficient: n-octanol/water (log P _{ow})	4.11	Evaporation rate: (Butyl Acetate = 1)			

No data available No data available No data available No data available

No data available

TCI AMERICA

hemical Stability: Moisture sensitive. ossibility of Marmable/explosive vapor-air mixture. Exposure to moisture. Moisture sensitive. Exposure to moisture. Moisture sensitive. Exposure to moisture. Moisture sensitive. Mo data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: fi-rat L50>20 g/kg kin corrosion/firitation: o data available erious eye damage/irritation: o data available inter cell mutagenicity: o data available inter control toxicity: o data available inter control toxicity: o data available coutes of Exposure: unhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in rediness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the lungs and respiratory system.	lash point:		-9°C (16°F)	Autoignitio	n temperature:	No	o data available
Uper: No data available Construction Operation Description Descrip	lammability (soli	d, gas):	No da	ta available				
outsility(ics): Water: Very slightly soluble 2. STABILITY AND REACTIVITY eactivity: Not Available. henrical Stability: Not Available. sectivity: Moisture ensitive. costinity of hear dues Reactions: Huese, main immable/explosive vapor-air mixture. conditional interview: Oxidizing agent conditional interview: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: Interview: intra LD50-250 gkg Kin corresion/rittation: o data available Septiatory or skin sensitization: o data available Septiatory or skin sensitization: o data available Septiatory or skin sensitization: o data available Interview: errougencicity: Oxidat available in data available Interview: errougencicity: Oxidat available o data available Interview:					Lo	wer: No data	a available	
Water: Very slightly soluble 0. STABILITY AND REACTIVITY eactivity: Not Available. hemical Stability: Moisture sensitive. solution: Solution: solution: Exposure to moisture. Noisture sensitive. compatible materials: Oxidizing agents azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: In use, may tom filter intra cutors otata available erious sey damage/irritation: o data available o data available erious sey damage/irritation: o data available o data available errous sey damage/irritation: o data available o data available errous sey damage/irritation: o data available o data available errous sey damage/irritation: o data available errous sey admage/irritation o data available errous admiable					Ur	per: No data	a available	
0. STABLITY AND REACTIVITY eactivity: Not Available, hemical Stability: eactivity: Molisture sensitive. ossibility of Hazardous Reactions: In Use, may form flammable/explosive vapor-air mixture. compatible materials: Oxidizing agents zardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: In-rat LD50-20 g/kg Hin corrosion/irritation: o data available erious ged amage/irritation: o data available ergination of adata available Inter No data available ergination of skin sensitization: o data available o data available Inter No data available erginatory or skin sensitization: o data available o data available Inter No data available erginatory of skin sensitization: o data available o data available Inter No data available erginatory is productive toxicity: o data available <t< th=""><th>olubility(ies):</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	olubility(ies):							
eactivity: Not Available. hemical Stability: Moisture sensitive. ossibility of Hazardous Reactions: In use, may form flammable/explosive vapor-air mixture. compatible materials: CVIdizing agents azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: I-rat LD50-20 g/kg kin corrosion/fritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available arcinogenicity: o data available IARC: No data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available arcinogenicity: o data available IARC: No data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available in and available in and available in and available in the function of the toxicity: o data available epiratory server: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ymptoms related to expo	Water:	Very slightly so	luble					
eactivity: Not Available. hemical Stability: Moisture sensitive. ossibility of Hazardous Reactions: In use, may form flammable/explosive vapor-air mixture. ossibility of Hazardous Reactions: Oxidizing agents azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: 1. rat LD50-20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available arcinogenicity: o data available IARC: No data available IARC: No data available erious eye damage/irritation: o data available entities available entities available arcinogenicity: o data available IARC: No data available erious eye damage/irritation: o data available IARC: No	O STADILITY							
hemical Stability: Moisture sensitive. oscibility of Hazardous Reactions: In use, may form fiammable/explosive vapor-air mixture. Exposure to moisture. Moisture sensitive. Compatible materials: Oxidizing agents: And ata available 7. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: ri-rat LD50-20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available emicell mutagenicity: o data available informediate in the information of the information of the iungs and respiratory system. orden arealized to exposure: with the information of the lungs and respiratory system. area of exposure: with infration. Exposure infration of the lungs and respiratory system. area of exposure: with infration. Exposure infration of the lungs and respiratory system. area of exposure. outes of Exposure: infrated to exposure	U. STABILITT	AND REACT	VII 1					
hemical Stability: Moisture sensitive. ossibility of Hazardous Reactions: In use, may form flammable/explosive vapor-air mixture. Exposure to moisture. Moisture sensitive. Exposure to moisture Moisture sensitive. Conditions to avoid: Exposure to moisture Moisture sensitive. Moidata available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: In-rat LD50>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available emm cell mutagenicity: o data available i IARC: No data available i IARC: No data available eproductive toxicity: o data available espiratory result in refrases or pain. Skin contact, Ingestion, Skin contact. ymptoms related to eposure: ymptoms related to Effects: ymptom settime to ffects: ymptom settime to finantia to may result in infration. Inhalation causes irritation of the lungs and respiratory system. December 2000 the posure of t	Reactivity:			Not Available.				
onditions to avoid: Exposure to moisture. Moisture's sensitive. compatible materials: Ovidizing agents azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: in-rat LD50:>20 g/kg kin corrosion/irritation: o data available erious eve damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available emm cell mutagenicity: o data available i MRC: No data available I ARC: No data available i MRC: No data available i MRC: No data available eproductive toxicity: o data available coutes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation causes irritation of the lungs and respiratory system. contact Happen Effects: kin and respiratory system.	hemical Stability							
ucompatible materials: Oxidizing agents azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity: Image: Comparity of the second			ons:			pr-air mixture.		
azardous Decomposition Products: No data available 1. TOXICOLOGICAL INFORMATION TECS Number: JM9170000 cute Toxicity:					lure. Moisture sensitive.			
TECS Number: JM9170000 cute Toxicity: in-rat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available arcinogenicity: o data available o data available NTP: No data available eproductive toxicity: o data available o data available IARC: No data available utes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. ontical Health Effects: Inhalation causes irritation of the lungs and respiratory system. arget organ(s): Inhalation causes irritation of the lungs and respiratory system.			ucts:					
TECS Number: JM9170000 cute Toxicity: in-rat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available arcinogenicity: o data available o data available NTP: No data available eproductive toxicity: o data available o data available IARC: No data available utes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. ontical Health Effects: Inhalation causes irritation of the lungs and respiratory system. arget organ(s): Inhalation causes irritation of the lungs and respiratory system.			MATION	1				
cute Toxicity: if-rat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available emc cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available eproductive toxicity: o data available otata available information: information: o data available IARC: No data available otata available otata available information: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Readily absorbed through skin. Inhalation causes irritation of the lungs and respiratory system. ontal Health Effects: in and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system.	T. TOXICOLOC	BICAL INFOR	WATION	l				
cute Toxicity: if-rat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available emc cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available eproductive toxicity: o data available otata available information: information: o data available IARC: No data available otata available otata available information: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Readily absorbed through skin. Inhalation causes irritation of the lungs and respiratory system. ontal Health Effects: in and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system.								
<pre>httat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available eproductive toxicity: o data available eproductive toxicity: bin and set of the tot exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ymptoms r</pre>	TECS Number:	JM9170000						
<pre>httat LD50:>20 g/kg kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available eproductive toxicity: o data available eproductive toxicity: bin and set of the tot exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ymptoms r</pre>								
kin corrosion/irritation: o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available emc cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available eproductive toxicity: o data available uites of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: Inhalation, Eye contact, Ingestion, Readily absorbed through skin. Inhalation causes irritation of the lungs and respiratory system. orential Health Effects: Kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system.	cute Toxicity:							
o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available IARC: No data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: y	rl-rat LD50:>20 g/	kg						
o data available erious eye damage/irritation: o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available IARC: No data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: y	kin corrosion/irr	itation.						
o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available IARC: No data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	lo data available							
o data available espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available IARC: No data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):								
espiratory or skin sensitization: o data available erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available coutes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):		ge/irritation:						
erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):								
erm cell mutagenicity: o data available arcinogenicity: o data available IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	Respiratory or sk	n sensitization	:					
o data available arcinogenicity: o data available IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available Outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the Ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	lo data available							
o data available arcinogenicity: o data available IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available Outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the Ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	Germ cell mutage	nicitv:						
o data available IARC: No data available IARC: No data available outes of Exposure: ynptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	lo data available							
o data available IARC: No data available IARC: No data available outes of Exposure: ynptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	arcinogenicity							
IARC: No data available NTP: No data available OSHA: No data available eproductive toxicity: o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):								
eproductive toxicity: o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	lo data available							
o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	IARC: No	data available		NTP:	No data available		OSHA:	No data available
o data available outes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact. ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	Reproductive toxi	city:						
ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):	lo data available	-						
ymptoms related to exposure: ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):								
ye contact may result in redness or pain. Skin contact may result in sensitization. Readily absorbed through skin. Inhalation causes irritation of the ings and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):				Inhalation, Eye co	ontact, Ingestion, Skin cor	itact.		
ngs and respiratory system. otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):			or noin O	kin oontoot movers	ult in consitization Deed	hu aboarbad three	مام مادات الم	polotion online initation of the
otential Health Effects: kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):			or pain. S	kin contact may res	suit in sensitization. Read	iy absorbed throu	yn skin. Ini	naiation causes irritation of the
kin and eye contact may result in irritation. Inhalation causes irritation of the lungs and respiratory system. arget organ(s):								
	kin and eye conta		irritation.	Inhalation causes in	rritation of the lungs and r	espiratory system		
ay cause respiratory irritation.	arget organ(s):	a martinette ti a c						
	ay cause respirat	ory irritation.						

Ecotoxicity Fish: Crustacea: Algae:	No data available No data available No data available
Persistence and degradability: Bioaccumulative potential (BCF): Mobillity in soil: Partition coefficient: n-octanol/water (log Pow)	No data available No data available No data available 4.11

Hexamethyldisilane	•	TCI AME	RICA	Page 5 of	
12. ECOLOGICA	LINFORMATION				
Soil adsorption (Ko Henry's Law: constant (PaM³/mo		No data available No data available			
Disposal of produc	ONSIDERATIONS t:	Recycle to process	if possible. It is the generate	or's responsibility to comply with Federal, State and Local	
Disposal of contain	er:	Recycle to process if possible. It is the generator's responsibility to comply with Federal, State and Local rules and regulations. You may be able to dissolve or mix material with a combustible solvent and burn in chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provic assistance but does not replace these laws, nor does compliance in accordance with this section ensure regulatory compliance according to the law. US EPA guidelines for Identification and Listing of Hazardous Waste are listed in 40 CFR Parts 261. The product should not be allowed to enter the environment, drains water ways, or the soil. Dispose of as unused product. Do not re-use empty containers.			
				when disposing of the substance.	
14. TRANSPORT	INFORMATION				
DOT (US) UN number: UN1993	Proper Shipping Na Flammable liquids, n.	ne: 0.s.	Class or Division: 3 Flammable liquid	Packing Group: II	
IATA UN number: UN1993	Proper Shipping Na Flammable liquid, n.o		Class or Division: 3 Flammable liquid	Packing Group: II	
IMDG UN number: UN1993	Proper Shipping Na Flammable liquid, n.o		Class or Division: 3 Flammable liquid	Packing Group: II	
EmS number:		F-E, S-E			
15. REGULATOR	Y INFORMATION				
	ontrol Act (TSCA 8b.): he EPA Toxic Substanc	es Control Act (TSCA	.) inventory.		
US Federal Regulat	ions				
	s substance and Repo				
SARA 313: SARA 302:		Not Listed Not Listed			
State Regulations					
State Right-to-Knov	N				
Massachuse New Jersey Pennsylvan California Proposit	a	Not Listed Not Listed Not Listed Not Listed			
Other Information					
NFPA Rating:			HMIS Classification:		
	2		Health:	2	
	3 0		Flammability: Physical:	3 0	
	ories				
International Invent			iid.		
International Invent WHMIS hazard clas	s:	B2: Flammable Liqu			
	s:		sing other toxic effects. (Tox	ic)	

16. OTHER INFORMATION

Revision date: 10/06/2014 Revision number: 2

TCI chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its affiliates or subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our SDS are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated SDS for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective gogles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.