

Revision number: 1 Revision date: 07/06/2018

1. IDENTIFICATION

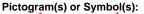
Product name: Product code:

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: WHMIS 2015:	kin Corrosion/Irritation [Category 2] ye Damage/Irritation [Category 2A] oxic to Reproduction [Category 2] pecific Target Organ Toxicity (Single Exposure) [Category 3] pecific Target Organ Toxicity (Repeated Exposure) [Category 1] spiration Hazard [Category 1] lammable Liquids [Category 2] quatic Hazard (Acute) [Category 2]		
Signal word:	Danger!		
Hazard Statement(s):	Highly flammable liquid and vapor Causes skin irritation Causes serious eye irritation Suspected of damaging fertility or the unborn child May be fatal if swallowed and enters airways Toxic to aquatic life May cause respiratory irritation. May cause drowsiness or dizziness.		





Precautionary Statement(s): [Prevention]

[Response]

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. – No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist, vapors or spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands and face thoroughly after handling. Wear protective gloves, protective clothing, face protection.

Causes damage to organs through prolonged or repeated exposure: Nervous System

If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice or attention. Take off contaminated clothing and wash it 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 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 exposed or concerned: Get medical advice or attention. In case of fire: Use dry chemical, dry sand or foam to extinguish.

Hexane Anhydrous

H1197

For laboratory research purposes. Not for drug or household use.

TCI AMERICA

SAFETY DATA SHEET

Emergency telephone number:

Chemical Emergencies: TCI America (8:00am - 5:00pm) PST +1-503-286-7624 Transportation Emergencies: Chemtrec 24-Hour +1-800-424-9300 (U.S.A.) +1-703-527-3887 (International) **Responsible department:** TCI America Environmental Health Safety and Security +1- 503-286-7624 [Storage] [Disposal] Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents and container in accordance with local, regional, national regulations (e.g. US: 40 CFR Part 261, EU:91/156/EEC, JP: Waste Disposal and Cleaning Act, etc.).

Hazards not otherwise classified: [HNOC]

3. COMPOSITION/INFORMATION ON INGREDIENTS	

None.

Substance/mixture:	Substance	
Components:	Hexane Anhydrous	
Percent:	>96.0%(GC)	
CAS RN:	110-54-3	
Molecular Weight:	86.18	
Chemical Formula:	C ₆ H ₁₄	
4. FIRST-AID MEASURES		

Description of first aid measures	
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.
Symptoms/effects:	
Acute:	Cough. Dizziness. Redness. Drowsiness.
Delayed:	May have effects on the respiratory tract.

Indication of any immediate medical attention: Not available. Notes to physician:

No data available

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Dry chemical, foam, carbon dioxide.
Unsuitable extinguishing media:	Water (It may scatter and spread fire.)
Hazardous combustion products:	These products include: Carbon oxides
Other specific hazards:	Closed containers may explode from heat of a fire.
Advice for firefighters:	Wear self-contained breathing apparatus if possible.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use extra personal protective equipment (self-contained breathing apparatus). Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions:	Prevent product from entering drains.
Methods and materials for containment	Absorb spilled material in dry sand or inert absorbent before recovering it into an airtight container. In
and cleaning up:	case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be
	promptly disposed of, in accordance with appropriate laws and regulations.
Prevention of secondary hazards:	Remove all sources of ignition. Fire-extinguishing devices should be prepared in case of a fire. Use spark-proof tools and explosion-proof equipment.

Precautions for safe handling:	Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Keep away from heat/sparks/open flame/hot surfacesNo smoking. Tak measures to prevent the build up of electrostatic charge. Use explosion-proof equipment. Wash hands and face thoroughly after handling.
	Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated Avoid all contact!
Conditions for safe storage, includin	ig any incompatibilities
Storage conditions:	Keep container tightly closed. Store in a cool, dark and well-ventilated place. Store under inert gas. Protect from moisture. Store locked up. Store away from incompatible materials such as oxidizing agents. Hygroscopic
Packaging material:	Comply with laws.

Exposure limits: ACGIH TLV(TWA): OSHA PEL(TWA): JSOH OELs(TWA):	50 ppm (skin) 500 ppm 40 ppm (skin)
Appropriate engineering controls:	Follow safe industrial engineering/laboratory practices when handling any chemical. Install a closed system or local exhaust. Also install safety shower and eye bath.
Personal protective equipment	
Respiratory protection:	Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state (20°C): Form: Colour: Odour: Odor threshold: Odour threshold:	Liquid Clear Colorless Gasoline-like No data available No data available		
Melting point/freezing point: Boiling point/range: Decomposition temperature: Relative density: Kinematic viscosity: Log Pow:	-95°C (-139°F) 68°C (154°F) No data available 0.66 No data available No data available	pH: Vapour pressure: Vapour density: Dynamic Viscosity: Evaporation rate(Butyl Acetate=1):	No data available No data available. 3.0 No data available No data available
Flash point: Flammability(solid, gas):	-22°C (-8°F) No data available	Autoignition temperature: Flammability or explosive limits: Lower: Upper:	225°C (437°F) 1.1% 7.5%
Solubility(ies): [Water] [Other solvents] Miscible: Soluble:	Insoluble (0.0013g/100mL, Ether, Alcohols, Chloroform Acetone	, 20°C)	

10. STABILITY AND REACTIVITY

Reactivity: Chemical stability: Possibility of hazardous reactions: Conditions to avoid: Incompatible materials: Hazardous decomposition products: No data available Stable under proper conditions. No special reactivity has been reported. Spark, Open flame, Static discharge Oxidizing agents Carbon dioxide, Carbon monoxide

11. TOXICOLOGICAL INFORMATION

RTECS Number: MN9275000

Acute Toxicity: orl-rat LD50:15840 mg/kg ihl-hmn TCLo:190 ppm/8W			ihl-rat LC50:48000 ppm/4H		
Skin corrosion/irritation: No data available					
Serious eye damage/irritation: eye-rbt 10 mg MLD					
Respiratory or skin sensitization: No data available					
Germ cell mutagenicity: cyt-ham-fbr 500 mg/L			cyt-rat-scu 7.5 mL/kg/12W-	I	
Carcinogenicity: ihl-rat TCLo:1000 ppm/4H/59W-I			ihl-mus TCLo:9018 ppm/6H	I/2Y-I	
IARC: No data available	NTP:	No data	available	OSHA:	No data available
Reproductive toxicity: ihl-mus TCLo:200 ppm (6-17D preg)			ihl-rat TCLo:1000 ppm/6H ((8-16D pre	g)
Aspiration hazard: Target organ(s): May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs through pro	May be fatal if swa blonged or repeated		,		
12. ECOLOGICAL INFORMATION					
Ecotoxicity:					
Fish:	96h LC50:2.5 mg/ 48h LC50:>1000 r				
Crustacea:	48h EC50:3.9 mg/	/L (Daphni	a magna)		
Algae:	8h EC50:0.3 mg/L	. (Skeleton	nema costatum)		
Persistence / degradability: Bioaccumulative potential(BCF): Mobility in soil	100 % (by BOD) , 170	100 % (by	/ GC)		
Log Pow:	3.9				
Soil adsorption (Koc): Henry's Law (PaM³/mol):	130 1.82 x 10⁵				

13. DISPOSAL CONSIDERATIONS

Disposal of product:	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 a chemical incinerator equipped with an afterburner and scrubber system. This section is intended to provide 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
Disposal of container: Other considerations:	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. Observe all federal, state and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

<u>DOT (US)</u> UN number: UN1208	Proper Shipping Nat Hexanes	Class or Division: 3 Flammable liquid	Packing Group:
IATA UN number: UN1208	Proper Shipping Nai Hexanes	Class or Division: 3 Flammable liquid	Packing Group:
IMDG UN UN1208 numb er:	Proper Shipping Nar Hexanes	Class or Division: 3 Flammable liquid	Packing Group: II
EmS number: Reportable Quanti	itiy:	E, S-D 00 Pounds (2270 Kilograms)	

15. REGULATORY INFORMATION

Toxic Substance Control Act (TSCA 8b.): This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regu	lations		
CERCLA Hazardous substance and Reportable Quantity:			
SARA 313:		Listed	
SARA 302:		Not Listed	
State Regulations	s		
State Right-to-Kn			
Massachusetts		Listed	
New Jersey		Listed	
Pennsylvania		Listed	
California Proposition 65:		Not Listed	
Other Information	n		
NFPA Rating:			HMIS Classification:
Health:	2		Health:
Flammability:	3		Flammability:
Instability:	0		Physical:
International Inventories			
Canada: DSL		On DSL	
EC-No:		203-777-6	

16. OTHER INFORMATION

Revision date: 07/06/2018

Revision number: 1

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 goggles, protective clothing, breathing equipment, face mask, fume hood). For proper handling and disposal, always comply with federal, state and local regulations.

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