

# Safety Data Sheet

## Section 1. Substance Identity and Company Contact Information

<b>Product Name</b>	Hexane	<b>Product Part Number(s)</b>	255760
<b>Trade Name</b>	Hexane	<b>Unit Size</b>	
<b>Company</b>	OI Analytical, P.O. Box 9010, College Station, TX 77842-9010, Phone: (979) 690-1711, Fax: (979) 690-0440		

**Emergency No. 1-800-424-9300 (Chemtrec).** Use only in the event of chemical emergencies involving spills, leaks, fire, exposure, or accidents involving chemicals.

## Section 2. Hazards Identification

**Pictogram(s)**



**Signal Word**

Danger

**Precautionary Statement(s)**

Highly flammable liquid and vapor. Causes skin irritation. Causes eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause drowsiness or dizziness. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

**Emergency Overview**

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

**Target Organ(s)**

Skin

**Potential Health Effects**

Eye:	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/attention.
Skin:	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
Ingestion:	Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Collect spillage.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Chronic Effects/ Carcinogenicity**

IARC:	No data available
NTP:	No data available
OSHA:	No data available

<b>Teratology (Birth Defects) Information</b>	No mutagenic components identified	
<b>Reproductive Information</b>	No mutagenic components identified	
<b>NFPA Ratings</b>	Health:	2
	Flammability:	3
	Reactivity:	0
	Special Notice Key:	No data available
<b>HMIS Rating</b>	Health:	2
	Flammability:	3
	Reactivity:	0
	Protective Equipment:	No data available

### Section 3. Chemical Composition and Data on Components

Ingredient	CAS No.	Percent	Hazard Data	
			ACGIH TLV	OSHA PEL
Hexane	110-54-3	95-99	No data available	No data available
Methylcyclopentane	96-37-7	1-5	No data available	No data available

### Section 4. First Aid Measures

<b>General Advice</b>	Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance.
<b>If Inhaled</b>	Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Get medical attention.
<b>In Case of Skin Contact</b>	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.
<b>In Case of Eye Contact</b>	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
<b>If Swallowed</b>	Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	May be fatal if swallowed. Irritating to eyes, respiratory system and skin. Narcotic effect. Treat symptomatically. Symptoms may be delayed.

### Section 5. Fire-fighting Measures

<b>General Information</b>	Highly flammable liquid and vapor.
<b>Suitable Extinguishing Media</b>	Water spray, foam, dry powder or carbon dioxide.
<b>Special Hazards Arising from the Substance or mixture</b>	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Heat may cause the containers to explode. Can be ignited easily and burns vigorously. Vapor from the solvent may accumulate in container headspace resulting in flammability hazard.
<b>Advice for Firefighters</b>	Cool containers exposed to flames with water until well after the fire is out. Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.
<b>Flash Point</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Further Information</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

## Section 6. Accidental Release Measures

<b>Personal Precautions, Protective Equipment, and Emergency Procedures</b>	Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. Keep unauthorized personnel away. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental Precautions</b>	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>Methods and Materials for Containment and Cleaning</b>	Eliminate all ignition sources if safe to do so. Stop leak if possible without any risk. Use only non-sparking tools. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
<b>Reference to Other Sections</b>	For disposal, see Section 13.

## Section 7. Handling and Storage

<b>Precautions for Safe Handling</b>	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. Use personal protective equipment as required. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use.
<b>Conditions for Safe Storage, Including any Incompatibilities</b>	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed in a cool, well-ventilated place. Ground container and transfer equipment to eliminate static electric sparks. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.
<b>Specific End Use(s)</b>	Analytical chemistry

## Section 8. Exposure Controls and Personal Protection

<b>Components with Workplace Control Parameters</b>	No data available
<b>Appropriate Engineering Controls</b>	No data available
<b>Eye/Face Protection</b>	Wear safety glasses with side shields (or goggles) and a face shield.
<b>Skin Protection</b>	Chemical resistant gloves
<b>Body Protection</b>	Wear appropriate clothing to prevent repeated or prolonged skin contact.
<b>Respiratory Protection</b>	In case of inadequate ventilation use suitable respirator. Chemical respirator with organic vapor cartridge and full facepiece.
<b>Control of Environmental Exposure</b>	No data available

## Section 9. Physical and Chemical Properties

<b>Appearance</b>	Form: Liquid; colorless
<b>Odor</b>	Slight
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point/Freezing Point</b>	-95 °C
<b>Initial Boiling Point and Boiling Range</b>	68 °C
<b>Flash Point</b>	-23 °C
<b>Evaporation Rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/Lower Flammability or Explosive Limits</b>	Flammability limit - upper (%): 7.7 %(V) Flammability limit - lower (%): 1.2 %(V) Explosive limit - upper (%): No data available. Explosive limit - lower (%): No data available

<b>Vapor Pressure</b>	20.2 kPa
<b>Vapor Density</b>	No data available
<b>Relative Density</b>	0.66 (20 °C)
<b>Water Solubility</b>	Insoluble in water
<b>Partition Coefficient : n-octanol/water</b>	No data available
<b>Auto-ignition Temperature</b>	224 °C
<b>Decomposition Temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive Properties</b>	No data available
<b>Oxidizing Properties</b>	No data available
<b>Other Safety Information</b>	No data available

## Section 10. Stability and Reactivity

<b>Reactivity</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability</b>	Material is stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Heat, sparks, flames. Contact with incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents.

## Section 11. Toxicological Information

<b>Routes of Exposure</b>	<i>On the skin:</i>	Causes skin irritation.
	<i>On the eye:</i>	Causes eye irritation.
	<i>Inhalation:</i>	Harmful if inhaled. May cause irritation to the respiratory system.
	<i>Ingestion:</i>	Harmful or fatal if swallowed.
<b>Respiratory or Skin Sensitization</b>	No data available	
<b>Signs and Symptoms of Overexposure</b>	No data available	
<b>Toxicity Data</b>	<i>Oral Rat</i>	24 mg/kg

## Section 12. Ecological Information

<b>General Notes</b>	The product is insoluble in water and will spread on the water surface. Toxic to aquatic life with long lasting effects.
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## Section 13. Disposal Considerations

<b>Product</b>	Discharge, treatment, or disposal may be subject to national, state, or local laws. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.
<b>Contaminated Packaging</b>	Since emptied containers retain product residue, follow label warnings even after container is emptied.

## Section 14. Transport Information

<b>DOT Shipping Name</b>	Hexane
<b>UN Proper Shipping Name</b>	Hexanes
<b>DOT Hazard Class</b>	3
<b>Packing Group</b>	II
<b>UN Number</b>	UN 1208
<b>Hazardous Ingredients</b>	
<b>DOT Label</b>	3

## DOT Placard

<b>IMDG Shipping Name</b>	Hexanes
<b>UN Number</b>	UN 1208
<b>Class</b>	3
<b>Packing Group</b>	II

<b>IATA Shipping Name</b>	Hexane
<b>Technical Shipping Name</b>	Hexanes
<b>IATA Hazard Class</b>	3
<b>UN Number</b>	UN 1208
<b>Hazardous Ingredients</b>	
<b>IATA Label</b>	3
<b>IATA Placard</b>	

## Section 15. Regulatory Information

<b>OSHA Status</b>	None present or none present in regulated quantities.	
<b>TSCA Status</b>	None present or none present in regulated quantities.	
<b>CERCLA Reportable Quantity</b>	HEXANE Reportable quantity: 5000 lbs.	
<b>SARA Title III</b>	No data available	
<b>RCRA Status</b>	No data available	
<b>California Proposition 65</b>	No ingredient regulated by CA Prop 65 present.	
<b>Chemical Weapons Convention</b>	No data available	
<b>TSCA 12 (b)</b>	No data available	
<b>SARA 311/312</b>	Acute:	Yes
	Chronic:	Yes
	Fire:	Yes
	Pressure:	No data available
	Reactivity:	No data available
<b>Australian Hazchem Code</b>	On or in compliance with the inventory	
<b>Poison Schedule</b>	No data available	
<b>WHMIS</b>	No data available	

## Section 16. Other Information

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