



Section 1. Product and Company Identification

Product Name 1-Isothiocyanato-6-(methylsulfinyl)-hexane
Product ID I7457
Chemical Name (Synonyms) 6-Methylsulfinylhexyl isothiocyante
Supplier LKT Laboratories, Inc
545 Phalen Blvd.
St. Paul, MN 55130 USA
Ph: 651-644-8424 Fax: 651-644-8357
www.lktlabs.com - getinfo@lktlabs.com
Emergency Phone # 1-800-424-9300

Section 2. Hazards Identification

GHS Classification Not a hazardous substance or mixture.

GHS Label elements including precautionary statements

Pictogram

Signal word

Hazard and precautionary statements
Hazard statement
Not a hazardous substance or mixture.
Precautionary statement
Not a hazardous substance or mixture.

HMIS Classification Health hazard: 0
Flammability: 0
Physical hazard: 0

NFPA Rating Health hazard: 0
Fire hazard: 0
Reactivity hazard: 0

Potential Health Effects Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin.
Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances	Ingredient: Title Compound	Percent: 100
Formula	C ₈ H ₁₅ NOS ₂	Formula Wt. 205.34
CAS No.		EC No.

Section 4. First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
Eye Contact	Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.
Skin Contact	Wash with soap and water for 15 minutes and seek medical attention immediately.
Inhalation	Remove from exposure and provide respiration support if necessary. Seek medical attention.
Ingestion	Rinse mouth with water. Contact a physician or poison control immediately.

Section 5. Firefighting Measures

Flash Point	Not available.
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.
Firefighting Procedures	Wear self-contained breathing apparatus and protective clothing for firefighting.
Unusual Fire Hazards	May emit toxic fumes under fire conditions.

Section 6. Accidental Release Measures

Personal Precautions	Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleanup	Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling	Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: -20°C.
Hazardous Decomposition Products	Nature of decomposition products not known.
Other Remarks	None.

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS:

Contains no substances with occupational exposure limit values.
Appropriate engineering controls.

PERSONAL PROTECTION

Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplier air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

Physical State	Liquid.	Color	Colorless liquid.
Boiling Point	Not available.	Volatility	Not available.
Melting Point	Not available.	Density	Not available.
Solubility	Not available.	pH	Not available.
Flash Point	Not available.	Ignition temperature	Not available.
Lower explosion limit	Not available.	Autoignition temperature	Not available.
Upper explosion limit	Not available.	Vapor pressure	Not available.
Water solubility	Soluble in water.	Odor	Not available.
Partition coefficient: n-octanol/water	Not available.	Odor Threshold	Not available.
Relative vapor density	Not available.	Evaporation rate	Not available.

Section 10. Stability and Reactivity

Stability	Stable under recommended storage conditions. Avoid prolonged contact with moisture and freeze thaw cycles.
Materials To Avoid	Keep away from sunlight and heat.
Hazardous Decomposition Products	Nature of decomposition products not known.

Possibility of hazardous reactions Not available.

Conditions to avoid Not available.

Section 11. Toxicological Information

Oral LD50 Not available.

Skin corrosion/irritation Not available.

Inhalation LC50 Not available.

Serious eye damage/irritation Not available.

Dermal LD50 Not available.

Respiratory or skin sensitization Not available.

Other information on acute toxicity Not available.

Germ cell mutagenicity Not available.

Reproductive Toxicity Not available.

Aspiration Hazard Not available.

Specific organ toxicity single exposure (GHS) Not available.

Synergistic effects Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Additional Information Not available.

Teratogenicity Not available.

Signs and symptoms of exposure Not available.

Potential Health Effects Inhalation: May be harmful if inhaled.
Skin: May be harmful if absorbed through skin.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

Carcinogenicity **IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment Not available.

Persistence and degradability Not available.

Other adverse effects Not available.

Bioaccumulative potential Not available.

Section 13. Disposal Considerations

Waste Disposal Dispose of material according to all federal, state, and local regulations.
Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Section 14. Transport Information

DOT (US) Not dangerous goods.

IATA Not dangerous goods.

IMDG Not dangerous goods.

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components No SARA Hazards.

Massachusetts Right To Know Components No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components 1-Isothiocyanato-6-(methylsulfinyl)-hexane CAS #: N/A Revision Date:

New Jersey Right To Know Components 1-Isothiocyanato-6-(methylsulfinyl)-hexane CAS #: N/A Revision Date:

California Prop 65 Components This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

Other information The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.

Updated 6/11/2018

For emergencies in the USA, call
CHEMTREC 800-424-9300