

**Section 1. Product and Company Identification**

Product Name 3-Phenylpropyl isothiocyanate
Product ID P2515
Chemical Name (Synonyms) Phenylpropyl isothiocyanate
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 Acute oral toxicity (Category 4), H302
Acute skin toxicity (Category 4), H312
Skin corrosion/irritation (Category 1A), H314
Acute inhalation toxicity - dust/mist (Category 4), H332

GHS Label elements including precautionary statements**Pictogram****Signal word** Danger**Hazard and precautionary statements****Hazard statements**

H302 - Harmful if swallowed.
H312 - Harmful in contact with skin.
H314 - Causes severe skin burns and eye damage.
H332 - Harmful if inhaled.

Precautionary statements

P260 - Do not breathe dust, fumes, gas, mist, vapors, spray.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/ eye protection/ face protection.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

HMIS Classification Health Hazard: 2
Flammability: 1
Physical Hazards: 1

NFPA Rating Health Hazard: 2
Flammability: 1
Physical Hazards: 1

Potential Health Effects Inhalation: Acute toxicity. It is harmful if inhaled.
Skin: Acute toxicity. Harmful in contact with skin. Causes severe skin burns.
Eyes: Causes severe eye damage.

Ingestion: Acute toxicity. Harmful if swallowed.

Section 3. Composition/Information on Ingredients

Substances	Ingredient: Title Compound	Percent: 100
Formula	C ₁₀ H ₁₁ NS	Formula Wt. 177.27
CAS No.	2627-27-2	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	Flush with water for at least 15 minutes. Remove contacts and continue to flush with water again. Seek medical attention immediately.
Skin Contact	Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 . Firefighting Measures

Flash Point	Not available.
Extinguishing Media	Do not use water. Use alcohol-resistant foam, sand, dry chemical powder or carbon dioxide.
Firefighting Procedures	Wear self-contained breathing apparatus and protective clothing. Keep unprotected persons away.
Unusual Fire Hazards	Special hazards caused by this material are combustion and carbon monoxide, carbon dioxide, nitrogen oxides, hydrogen cyanide, and sulfur oxides.

Section 6. Accidental Release Measures

Personal Precautions	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.
Environmental Precautions	Do not allow material to be released into the environment without proper governmental permits.
Methods and materials for containment and cleanup	Absorb with liquid-binding material such as sand, diatomite, acid binders, universal binders and sawdust. Use an neutralizing agent. Use appropriate tools to collect material and dispose of in closed 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 hands thoroughly after handling material.
Storage Conditions	Store in a cool, dry place in a tightly closed container. Recommended storage temperature: -20°C.
Hazardous Decomposition Products	Decomposition will not occur if used and stored according to specification. Carbon monoxide and carbon dioxide, nitrogen oxides, sulfur oxides (SO _x), and hydrogen cyanide (prussic acid).
Other Remarks	This product is moisture sensitive. Ensure good ventilation. Store away from water and moisture and oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Personal protective equipment

EXPOSURE CONTROLS

Contains no substances with occupational exposure limit values.
General industrial hygiene practice.

PERSONAL PROTECTION

Eye/face protection: 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: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. 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	Light yellow oil.
Boiling Point	156-160°C (313-320°F) (12 mm Hg)	Volatility	Not available.
Melting Point	Not available.	Density	Not available.
Solubility	Soluble in DMSO.	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	Not available.	Odor	Irritant
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.

Materials To Avoid

Water and moisture, alcohol products, amines, and oxidizing agents.

Hazardous Decomposition Products

Decomposition will not occur if used and stored according to specification. Carbon monoxide and carbon dioxide, nitrogen oxides, sulfur oxides (SO_x), and hydrogen cyanide (prussic acid).

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid Decomposition will not occur if used and stored according to specification.

Section 11. Toxicological Information

Oral LD50 Ingestion may cause damage to the mouth, throat and esophagus.

Skin corrosion/irritation Corrosive effect on skin and mucous membranes.

Inhalation LC50 Respiratory effects such as inflammation, edema, and chemical pneumonitis.

Serious eye damage/irritation Eye contact may result in permanent damage and complete vision loss. Strong corrosive effect.

Dermal LD50 May cause skin burns or irritation depending on the severity of the exposure. Danger through skin absorption.

Respiratory or skin sensitization Respiratory effects such as inflammation, edema, and chemical pneumonitis. No sensitizing effects known.

Other information on acute toxicity Corrosive materials are acutely destructive to the respiratory tract, eyes, skin and digestive tract.

Germ cell mutagenicity Not available.

Reproductive Toxicity Not available.

Aspiration Hazard May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Specific organ toxicity single exposure (GHS) Not available.

Synergistic effects Not available.

Specific organ toxicity repeated exposure (GHS) Not available.

Additional Information

Teratogenicity Not available.

Signs and symptoms of exposure Inhalation may result in respiratory effects such as inflammation, edema, and chemical pneumonitis. May cause coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Ingestion may cause damage to the mouth, throat and esophagus.

Potential Health Effects Inhalation: Acute toxicity. It is harmful if inhaled.
Skin: Acute toxicity. Harmful in contact with skin. Causes severe skin burns.
Eyes: Causes severe eye damage.
Ingestion: Acute toxicity. Harmful if swallowed.

Carcinogenicity No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

Section 12. Ecological Information

Toxicity Not available.

Mobility in soil Not available.

PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not

conducted.

Persistence and degradability Not available.

Other adverse effects Do not allow undiluted product to reach ground water, water course or sewage system.

Bioaccumulative potential Do not allow material to be released to the environment without proper governmental permits.

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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of as unused product.

Section 14. Transport Information

DOT (US) UN number: 2922 Class: 8 Packing group: III
Proper shipping name: CORROSIVE LIQUID, TOXIC, C.O.S. (3-Phenylpropyl isothiocyanate)

IATA ICAO/IATA Class: 8, UN/ID Number: 2922, Label: 8+6.1, Packaging group: III
Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (3-Phenylpropyl isothiocyanate).

IMDG IMDG Class: 8, UN Number 2922, Label: 8+6.1, Packaging group: III
Proper shipping name: CORROSIVE LIQUID, TOXIC, N.O.S. (3-Phenylpropyl isothiocyanate).

Further Information Land transport ADR/RID (cross-border) - ADR/RID class: 8 (CT1) Corrosive substances, Danger code (Kemler): 86, UN-Number: 2922, Packaging group: III, Description of goods: 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (3-Phenylpropyl isothiocyanate).

Section 15. Regulatory Information

Reach No.

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

SARA 313 Components 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 3-Phenylpropyl Isothiocyanate CAS #: 2627-27-2 Revision Date:

New Jersey Right To Know Components 3-Phenylpropyl Isothiocyanate CAS #: 2627-27-2 Revision Date:

California Prop 65 Components This product does not contain any chemicals known to 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 6/11/2020

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