

Chemical Name: **ALLYL ISOTHIOCYANATE**

Synonyms: Mustard Oil

CAS No: 57-06-7

Molecular Formula: C₄H₅NS

RTK Substance No: 0045

Description: Colorless to pale yellow, oily liquid with an irritating odor.

HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<p>3 - Health 2 - Fire 1 - Reactivity</p> <p>DOT#: UN 1545 ERG Guide #: 155 Hazard Class: 6.1 (Poison)</p>	<ul style="list-style-type: none"> - Combustible liquid - Fire extinguishers – use dry chemical, CO₂, or foam - DO NOT USE WATER - Decomposition Products - Nitrogen Oxides, Sulfur Oxides and Hydrogen Cyanide - Vapors may travel to a source of ignition and flash back. - Vapor is heavier than air and may travel a distance to cause a fire or explosion far from the source. 	<ul style="list-style-type: none"> - Reacts with WATER, ALCOHOLS, STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE); STRONG ACIDS (such as HYDROCHLORIC, SULFURIC and NITRIC); OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANTES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); AMINES; MOISTURE; and HEAT.

SPILL/LEAKS
<p>Isolation Distance: Isolate spill or leak in all directions for at least 50 meters (150 feet)</p> <p>Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.</p>

EXPOSURE LIMITS
<p>ACGIH: N/A</p> <p>OSHA: N/A</p> <p>NIOSH: N/A</p> <p>IDLH LEVEL: N/A</p>

HEALTH EFFECTS
<p>Eyes: Irritation</p> <p>Skin: Irritation, burns and blisters</p> <p>Acute: Nose and throat irritation</p> <p>Chronic: Cancer -Tested (Not Classifiable) May damage the fetus Symptoms of asthma - coughing and wheezing</p>

PHYSICAL PROPERTIES	
Odor Threshold:	No Information
Flash Point:	115°F (46°C)
LEL:	No Information
UEL:	No Information
Vapor Density:	3.4 (air = 1)
Vapor Pressure:	3.7 mm Hg at 86°F (30°C)
Water Solubility:	Insoluble
Boiling Point:	304°F (151°C)
Ionization Potential:	No Information

PROTECTIVE EQUIPMENT	
Gloves:	No Information
Coveralls:	No Information
Boots:	No Information
Respirator:	Supplied air

FIRST AID AND DECONTAMINATION
<ul style="list-style-type: none"> - Remove the person from exposure. - Flush eyes with cool water for at least 15 minutes. - Remove contaminated clothing and wash contaminated skin with soap and water. - Begin rescue breathing and CPR if necessary. - Transfer to a medical facility.