

Common Name: **ALLYL IODIDE**

Synonyms: 3-Iodopropene

CAS No: 556-56-9

Molecular Formula: C<sub>3</sub>H<sub>5</sub>I

RTK Substance No: 0044

Description: Yellowish, corrosive liquid that darkens on contact with air.

## HAZARD DATA

Hazard Rating	Firefighting	Reactivity
<b>2 - Health</b> <b>3 - Fire</b> <b>1 - Reactivity</b>  <b>DOT#:</b> UN 1723 <b>ERG Guide #:</b> 132 <b>Hazard Class:</b> 3 (Flammable)	Use dry chemical, CO <sub>2</sub> , water spray or foam as extinguishing agents. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>Hydrogen Iodide</i> . CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool. 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.	<b>Allyl iodide</b> is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE).  <b>Allyl iodide</b> is AIR and LIGHT sensitive.

### SPILL/LEAKS

**Isolation Distance:**

Small Spill - 60 m (200 feet)

Large Spill - 330 m (1,100 feet)

Cover with dry lime, sand or soda ash, and place in covered containers for disposal.

### PHYSICAL PROPERTIES

<b>Odor Threshold:</b>	Unpleasant, irritating
<b>Flash Point:</b>	61°F (16°C)
<b>Specific Gravity:</b>	1.84 (water = 1)
<b>Vapor Density:</b>	5.8 (air = 1)
<b>Water Solubility:</b>	Insoluble
<b>Boiling Point:</b>	217°F (103°C)
<b>Molecular Weight:</b>	168

### EXPOSURE LIMITS

No occupational exposure limits have been established.

### PROTECTIVE EQUIPMENT

<b>Gloves:</b>	Viton (31 minutes permeation) or Silver Shield®/4H® (240 minutes permeation)
<b>Coveralls:</b>	DuPont Tychem® F, CPF-4, BR and LV, Responder® and TK for <i>Alylic Halogens</i> (8-hr breakthrough)
<b>Boots:</b>	No information
<b>Respirator:</b>	Pressure demand supplied air

### HEALTH EFFECTS

<b>Eyes:</b>	Irritation, burns and possible eye damage
<b>Skin:</b>	Irritation and burns
<b>Acute:</b>	Irritation of the nose, throat and lungs with coughing, wheezing and shortness of breath
<b>Chronic:</b>	Coughing, phlegm and/or shortness of breath

### FIRST AID AND DECONTAMINATION

**Remove** the person from exposure.  
**Flush** eyes with large amounts of water for at least 30 minutes. Remove contact lenses if worn. Seek medical attention immediately.  
**Quickly** remove contaminated clothing and wash contaminated skin with large amounts of soap and water. Seek medical attention.  
**Begin** artificial respiration if breathing has stopped and CPR if necessary.  
**Transfer** to a medical facility.