

Common Name: ACETYL IODIDE

Synonyms: Ethanoyl Iodide CAS No: 507-02-8 Molecular Formula:  $C_2H_3IO$ RTK Substance No: 0017 Description: Colorless, fuming liquid which turns brown on contact with air or moisture

### HAZARD DATA

Hazard Rating	Firefighting	Reactivity	
2 - Health 1 - Fire 1 - Reactivity DOT#: UN 1898 ERG Guide #: 156 Hazard Class: 8 (Corrosive)	Acetyl lodide may burn, but does not readily ignite. Use dry chemical or CO <sub>2</sub> as extinguishing agents. DO NOT USE WATER directly on material itself. POISONOUS GASES ARE PRODUCED IN FIRE, including <i>lodine vapor</i> and other <i>lodides</i> . CONTAINERS MAY EXPLODE IN FIRE. Use water spray to keep fire-exposed containers cool and to knock-down vapors.	Acetyl lodide will react with WATER or MOISTURE to release toxic and corrosive <i>Hydrogen lodide</i> . Acetyl lodide reacts vigorously with STRONG BASES (such as SODIUM HYDROXIDE and POTASSIUM HYDROXIDE) to give off heat and may react explosively if mixed with DIISOPROPYL ETHER and other ETHERS in the presence of small amounts of METAL SALTS. Acetyl lodide is corrosive to METALS.	

#### SPILL/LEAKS

Isolation Distance: 25 to 50 meters (75 to 150 feet)

Neutralize spilled material with crushed limestone, soda ash or lime.

# EXPOSURE LIMITS OSHA: N/A NIOSH: N/A

ACGIH:	N/A
IDLH LEVEL:	N/A

#### HEALTH EFFECTS

Eyes: Skin:	Irritation and burns Irritation and burns
Acute:	Lung irritation with coughing and shortness of breath (pulmonary edema)
Chronic:	Bronchitis with coughing, phlegm and/or shortness of breath

## PHYSICAL PROPERTIES

Odor Threshold:	Pungent odor
Flash Point:	No information
LEL:	No information
UEL:	No information
Vapor Density:	No information
Vapor Pressure:	No information
Water Solubility:	Decomposes
<b>Boiling Point:</b>	221°F (105°C)

#### **PROTECTIVE EQUIPMENT**

Gloves: Coveralls:	Silver Shield®/4H® for Acetic Acid DuPont Tychem® Responder®, CSM, and TK for <i>corrosive heavy liquid chemicals</i>
Boots:	No information
Respirator:	Supplied Air

#### FIRST AID AND DECONTAMINATION

**Remove** the person from exposure.

**Flush** eyes with large amounts of water for at least 15 minutes. Remove contact lenses if worn. Seek medical attention immediately.

**Quickly** remove contaminated clothing. Wash contaminated skin with large amounts of soap and water. Seek medical attention immediately. **Begin** artificial respiration if breathing has stopped and CPR if

necessary. **Transfer** to a medical facility.

Medical observation is recommended as symptoms may be delayed.

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