Eye Exposure
In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Flammable Hazards: Yes

Explosion Hazards
Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions.

Flash Point: -44.6 °F
-7 °C

Explosion Limits: Lower: 21.4 %  Upper: 15.64 %

Autoignition Temp: N/A  Flammability: Yes

Extinguishing Media
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific Hazard(s)
Flammable liquid. Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Procedure to be Followed in Case of Leak or Spill
Evacuate area. Shut off all sources of ignition.

Precaution(s)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for Cleaning Up
Cover with dry-tissue, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
Do not breathe vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable: Keep tightly closed. Keep away from heat, sparks, and open flame. Refrigerate.

Section 8 - Exposure Controls / PPE

Engineering Controls
Safety shower and eye bath. Use non-sparking tools. Use only in a chemical fume hood.

Personal Protective Equipment
Respiratory
NIOSH/MSHA-approved respirator.

Hand
Compatible chemical-resistant gloves.

Aldrich Chemical - 269549
Sigma-Aldrich Corporation
www.sigma-aldrich.com
Section 11 - Toxicological Information

Route of Exposure
Skin Contact
Causes burns.
Skin Absorption
May be harmful if absorbed through the skin.
Eye Contact
Causes burns.
Inhalation
May be fatal if inhaled. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract.
Ingestion
May be fatal if swallowed.

Signs and Symptoms of Exposure
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Inhalation may result in spasms, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edemas. Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

RTECS Number: EM0800000

Toxicity Data
Oral - Rat: 23.1 mg/kg (LD50)
Inhalation - Rat: 7 mg/m³ (LC50)
Oral - Mouse: 23.3 mg/kg (LD50)
Inhalation - Mouse: 8 mg/m³ (LC50)
Intraperitoneal - Mouse: 76 MG/KG (LD50)

Section 12 - Ecological Information

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation
Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: Methyl vinyl ketone, stabilized
UN#: 1251
Class: 3
Packing Group: Packing Group I
PHT: Zone A

IATA
Proper Shipping Name: Methyl vinyl ketone, stabilized
IATA Number: 1251
Hazard Class: 3
Packing Group: II
Section 15 - Regulatory Information

EU Additional Classification
Symbol of Danger: F T+
Indication of Danger
Highly Flammable. Very toxic.
Risk Statements
R: 11 26/28 34
Highly flammable. Very toxic by inhalation and if swallowed. Causes burns.
Safety Statements
S: 16 26 28 36/37/39 45
Keep away from sources of ignition - no smoking. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable protective clothing, gloves, and eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

US Classification and Label Text
Indication of Danger
Flammable (USA) Highly Flammable (EU). Highly Toxic (USA) Very Toxic (EU).
Risk Statements
Highly flammable. Very toxic by inhalation, in contact with skin, and if swallowed. Causes burns.
Safety Statements
Keep away from sources of ignition - no smoking. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves, and eye/face protection.
US Statements
Lachrymator.

United States Regulatory Information
Listed: Yes
Notes: This product is subject to SARA section 313 reporting requirements. This product is subject to SARA section 313 reporting requirements.

TSCA Inventory Item: Yes

Section 16 - Other Information

Warranty
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2001 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.