



Material Safety Data Sheet

METHOXY ACETYL CHLORIDE

Section 1 – Product and Company Information

Substance : Methoxy Acetyl Chloride
Trade Name : Methoxy Acetyl Chloride
Chemical Family : Acid Chloride
Company : Shiva Pharmachem Pvt. Ltd.
Plot No. 588,
Village: Luna – 391440
Taluka: Padra
District: Vadodara, Gujarat
India
Phone No. : + 91 -2662 221021 / 224360
Fax No. : +91 2662 223314

Section 2 – Composition / Information on Ingredients

Product Name	CAS No.	EC No.	Mol. Formula	Mol. Weight
Methoxy Acetyl Chloride	38870-89-2	254-169-2	C ₃ H ₅ ClO ₂	108.50 g/mol

Section 3 – Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Flammable. Causes burns. Irritating to eyes and respiratory system.

Section 4 – First Aid Measures

GENERAL INFORMATION

Immediately remove any clothing soiled by the product.

INHALATION

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

EYE CONTACT

Assure adequate flushing of the eyes by separating the eyelids with fingers.

SWALLOWING

If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Section 5 – Fire Fighting Measures

CONDITIONS OF FLAMMABILITY

Water hydrolyzes material liberating acidic gas which in contact with metal surfaces can generate flammable and/or explosive hydrogen gas.

EXTINGUISHING MEDIA

Suitable: Carbon dioxide. Dry chemical powder.

Unsuitable: Do not use water.



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SPECIAL RISKS

Specific Hazard(s): Flammable liquid. Vapor may travel considerable distance to source of ignition and flash back. Emits toxic fumes under fire conditions.

Explosion Hazards: Vapor may travel considerable distance to source of ignition and flash back.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

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

Section 6 – Accidental Release Measures

PERSONAL PRECAUTION PROCEDURES TO BE FOLLOWED IN CASE OF LEAK OR SPILL

Evacuate area. Shut off all sources of ignition.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP

Cover with dry-lime, 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

Directions for Safe Handling: Do not breathe vapor. Do not allow to get in eyes, on skin and on clothing. Avoid prolonged or repeated exposure. Open carefully.

STORAGE

Conditions of Storage: Keep tightly closed. Keep away from heat, sparks, and open flame.

Store at 2-8°C

SPECIAL REQUIREMENTS:

May develop pressure. Open carefully.

Moisture sensitive.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

Use only in a chemical fume hood.

Safety shower and eye bath.

GENERAL HYGIENE MEASURES

Remove and wash contaminated clothing promptly. Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT

Special Protective Measures: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Face shield (8-inch minimum).



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Section 9 - Physical and Chemical Properties

Appearance Color	: Light yellow
Form	: Clear liquid
Property	: Value at Temperature or Pressure
BP/BP Range	: 112.0 - 113.0 °C 760 mmHg
MP/MP Range	: N/A
Flash Point	: 35 °C Method: closed cup
Flammability	: N/A
Auto ignition Temp	: N/A
Oxidizing Properties	: N/A
Explosive Properties	: N/A
Explosion Limits	: N/A
Vapor Pressure	: N/A
SG/Density	: 1.19 g/cm ³ at 20°C
Partition Coefficient	: N/A
Viscosity	: N/A
Vapor Density	: N/A
Saturated Vapor Conc.	: N/A
Evaporation Rate	: N/A
Bulk Density	: N/A
Decomposition Temp.	: N/A
Solvent Content	: N/A
Water Content	: N/A
Surface Tension	: N/A
Conductivity	: N/A
Miscellaneous Data	: N/A
Solubility	: N/A

Section 10 - Stability and Reactivity

STABILITY

Materials to Avoid: Water, Alcohols, Oxidizing agents, Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide, Hydrogen chloride gas, Phosgene gas.

Section 11 - Toxicological Information

SIGNS AND SYMPTOMS OF EXPOSURE

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



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ROUTE OF EXPOSURE

Multiple Routes: Harmful if swallowed, inhaled, or absorbed through skin. Causes burns.

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Substance Disposal

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

RID/ADR

UN No. : 2920
Class : 8
PG : II
Subrisk : 3
Proper Shipping Name : Corrosive Liquid, Flammable,
n.o.s. Methoxy Acetyl Chloride

IMDG

UN No. : 2920
Class : 8
PG : II
Subrisk : 3
Proper Shipping Name : Corrosive Liquid, Flammable, n.o.s. Methoxy Acetyl Chloride

IATA

UN No. : 2920
Class : 8
PG : II
Subrisk : 3
Proper Shipping Name : Corrosive Liquid, Flammable,
n.o.s. Methoxy Acetyl Chloride
Inhalation Packing Group I : No
Technical Name : Required, Methoxy Acetyl Chloride

Section 15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: C Corrosive.

R-PHRASES: 10-34-36/37
Flammable. Causes burns. Irritating to eyes and respiratory system.



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S-PHRASES: 26-36/37/39-45

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. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Section 16 - Additional Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Shiva Pharmachem Pvt. Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Shiva Pharmachem Pvt. Ltd has been advised of the possibility of such damages.