



Material Safety Data Sheet

2-ETHYL HEXANOYL CHLORIDE

Section 1 - Product and Company Information

Substance : 2-Ethyl Hexanoyl Chloride
Trade Name : 2-Ethyl Hexanoyl 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.
2-Ethyl Hexanoyl Chloride	760-67-8	212-081-1	C ₈ H ₁₅ ClO	162.66 g/mol

Section 3 – Hazards Identification

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT

Causes burns. Irritating to eyes and respiratory system.

Section 4 – First Aid Measures

INHALATION

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

EYE Contact

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

INGESTION

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

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.



Material Safety Data Sheet

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.

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 or soda ash, pick up, keep in a closed container, and hold for waste disposal. 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.

STORAGE

Conditions of Storage: Keep tightly closed. Keep away from heat and open flame. Store in a cool dry place.

SPECIAL REQUIREMENTS

Readily hydrolyzed.

Section 8 - Exposure Controls / Personal Protection

ENGINEERING CONTROLS

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

GENERAL HYGIENE MEASURES

Wash contaminated clothing before reuse. Wash thoroughly after handling. Discard contaminated shoes.

PERSONAL PROTECTIVE EQUIPMENT

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

Section 9 - Physical and Chemical Properties

Property	: Value	at Temperature or Pressure
PH	: N/A	
BP/BP Range	: 67.0 - 68.0 °C	11 mm Hg
MP/MP Range	: N/A	
Flash Point	: 79 °C	Method: closed cup
Flammability	: N/A	



Material Safety Data Sheet

Auto ignition Temp	: N/A
Oxidizing Properties	: N/A
Explosive Properties	: N/A
Explosion Limits	: N/A
Vapor Pressure	: 0.72 mmHg 67.7 °C
SG/Density	: 0.939 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: Strong bases, Alcohols, Oxidizing agents, Water.

HAZARDOUS DECOMPOSITION PRODUCTS

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

Section 11 - Toxicological Information

ACUTE TOXICITY

LC50

Inhalation

Rat

1,260 mg/m³

Remarks: Lungs, Thorax, or Respiration. Other changes.

LD50

Oral

Mammal

1500 mg/kg

LD50

Skin

Mammal

> 2000 mg/kg



Material Safety Data Sheet

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.

ROUTE OF EXPOSURE

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

Section 12 - Ecological Information

Not Available

Section 13 - Disposal Considerations

SUBSTANCE DISPOSAL

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT Regulations

UN No. : 3265
Hazard Class : 8
PG : II
Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s.

RID/ADR

UN No. : 3265
Hazard Class : 8
PG : II
Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s.

IMDG

UN No. : 3265
Hazard Class : 8
PG : II
Proper Shipping Name : Corrosive Liquid, Acidic, Organic, N.O.S.
Marine Pollutant : No
Severe Marine Pollutant : No
Technical Name : Required

IATA

UN No. : 3265
Hazard Class : 8
PG : II
Proper Shipping Name : Corrosive liquid, acidic, organic, n.o.s.



Material Safety Data Sheet

Inhalation Packing Group I : No
Technical Name : Required

Section 15 - Regulatory Information

CLASSIFICATION AND LABELING ACCORDING TO EU DIRECTIVES

INDICATION OF DANGER: C

Corrosive.

R-PHRASES: 34-36/37

Causes burns. Irritating to eyes and respiratory system.

S-PHRASES: 23-26-27-36/37/39-45

Do not breathe vapor. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Take off immediately all contaminated clothing. 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).

COUNTRY SPECIFIC INFORMATION

Germany

WGK: 1

ID-Number: 1160

KBwS-Decision

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