Alpha Chemika
ISO 9001 QUALITY SYSTEM CERTIFIED ORGANIZATION
MATERIAL SAFETY DATA SHEET
MSDS
Savgan Heights ; 102 ,B Wing ; R.T.O. Lane ,Andheri (West) Mumbai - 400053 , INDIA

Section 1 - Chemical Product and Company Identification

Product Name : 2-ETHYLHEXYL METHACRYLATE

Synonyms :
CAS No.: 688-84-6
Molecular Weight: 198.3
Chemical Formula: $C_{12}H_{22}O_2$

Section 2 - Composition, Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
2-Ethyl hexyl methacrylate	688-84-6	98- 100%	Yes

Section 3 - Hazardous Identification

Risk advice to man and the environment
Irritating to eyes, respiratory system and skin.

Section 4 - First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled
If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 - Fire Fighting Measures

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions
Do not let product enter drains.
Methods for cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.
Storage
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Light sensitive.

Section 8 - Exposure Controls, Personal Protection

Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpo combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.
Eye protection
Safety glasses
Skin and body protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Appearance
Form clear, liquid
Colour colourless
Safety data
pH no data available
Melting point no data available
Boiling point 120 °C at 24 hPa
Flash point 92 °C - closed cup
Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Density 0,885 g/mL at 25 °C
0,883 g/mL at 20 °C
Water solubility no data available
Relative vapour
density
7,94

Section 10 - Stability and Reactivity

Storage stability
Stable under recommended storage conditions.
Materials to avoid
Strong bases, Strong oxidizing agents, Strong acids
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 - Toxicological Information

Acute toxicity
LD50 Intraperitoneal - mouse - 2.614 mg/kg
Irritation and corrosion
no data available
Sensitisation
Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.
Chronic exposure
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Signs and Symptoms of Exposure
burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Potential Health Effects
Inhalation May be harmful if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion May be harmful if swallowed.
Additional Information
RTECS: OZ4630000

Section 12 - Ecological Information

Elimination information (persistence and degradability)
no data available
Ecotoxicity effects
no data available
Further information on ecology
no data available

Section 13 - Disposal Considerations

Product
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging
Dispose of as unused product.

Section 14 - Transport Information

ADR/RID
Not dangerous goods
IMDG
Not dangerous goods
IATA
UN-Number: 3334 Class: 9
Proper shipping name: Aviation regulated liquid n.o.s. (2-Ethylhexyl methacrylate)

Section 15 - Regulatory Information

Labelling according to EC Directives
EC Label
Hazard symbols
Xi Irritant
R-phrase(s)
R36/37/38 Irritating to eyes, respiratory system and skin.
S-phrase(s)
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 16 - Additional Information

Not Available