

**MATERIAL SAFETY DATA SHEET****Ethyl Acrylate, Stabilized**

MSDS Name:	Ethyl Acrylate, Stabilized, 99.5%
Catalog Numbers:	11798-0000, 11798-0010, 11798-0025, 11798-0250
Synonyms:	

Company Identification:	Hazel Mercantile Limited
Company Identification: (INDIA)	701, Embassy Centre , Nariman Point , Mumbai – 400 021
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Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
140-88-5	Ethyl acrylate	99.5%	205-438-8

Hazard Symbols:	XN F
Risk Phrases:	11 20/21/22 36/37/38 43

Section 3 - Hazards Identification**EMERGENCY OVERVIEW**

Highly flammable. Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. Light sensitive.

Potential Health Effects

Eye:	Causes eye irritation. Lachrymator (substance which increases the flow of tears).
Skin:	Causes skin irritation. Harmful if absorbed through the skin. May cause sensitization by skin contact.
Ingestion:	Harmful if swallowed. May cause irritation of the digestive tract.
Inhalation:	Harmful if inhaled. Causes respiratory tract irritation.
Chronic:	

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	



Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Will burn if involved in a fire. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.
Extinguishing Media:	In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Use a spark-proof tool.

Section 7 - Handling and Storage

Handling:	Use spark-proof tools and explosion proof equipment. Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
Storage:	Keep away from heat, sparks, and flame. Store in a tightly closed container. Store in a dry area. Refrigerator/flammables.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	
	CAS# 140-88-5:
	United Kingdom, WEL - TWA: 5 ppm TWA; 21 mg/m3 TWA United Kingdom, WEL - STEL: 15 ppm STEL; 62 mg/m3 STEL
	United States OSHA: 25 ppm TWA; 100 mg/m3 TWA
	Belgium - TWA: 5 ppm VLE; 20 mg/m3 VLE Belgium - STEL: 15 ppm VLE; 62 mg/m3 VLE
	France - VME: 5 ppm VME; 20 mg/m3 VME
	Germany: 5 ppm TWA; 21 mg/m3 TWA Germany: skin notation
	Malaysia: 5 ppm TWA; 20 mg/m3 TWA
	Netherlands: 5 ppm MAC; 20 mg/m3 MAC
	Russia: 5 mg/m3 TWA (vapour)
	Spain: 5 ppm VLA-ED; 21 mg/m3 VLA-ED Spain: 15 ppm VLA-EC; 62 mg/m3 VLA-EC

Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.



Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	APHA: 10 max
Odor:	stench
pH:	Not available
Vapor Pressure:	29.5 mm Hg @ 20 deg C
Viscosity:	0.564 mPa.s @ 20 deg C
Boiling Point:	99 deg C @ 760 mmHg (210.20°F)
Freezing/Melting Point:	-71 deg C (-95.80°F)
Autoignition Temperature:	399 deg C (750.20 deg F)
Flash Point:	16 deg C (60.80 deg F)
Explosion Limits: Lower:	1.80 vol %
Explosion Limits: Upper:	13.00 vol %
Decomposition Temperature:	Not available
Solubility in water:	15 g/l
Specific Gravity/Density:	0.9340g/cm3
Molecular Formula:	C5H8O2
Molecular Weight:	100.12

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	High temperatures, incompatible materials, light, ignition sources, excess heat.
Incompatibilities with Other Materials	Oxidizing agents, acids, bases, peroxides.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 140-88-5: AT0700000
LD50/LC50:	RTECS: CAS# 140-88-5: Draize test, rabbit, eye: 45 mg Mild; Draize test, rabbit, eye: 1204 ppm/7H; Draize test, rabbit, skin: 10 mg/24H Mild; Inhalation, mouse: LC50 = 16200 mg/m3; Inhalation, rat: LC50 = 1414 ppm/4H; Oral, mouse: LD50 = 1799 mg/kg; Oral, rabbit: LD50 = 370 mg/kg; Oral, rat: LD50 = 800 mg/kg; Skin, rabbit: LD50 = 500 microL/kg;
Carcinogenicity:	Ethyl acrylate - California: carcinogen, initial date 7/1/89 IARC: Group 2B carcinogen
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:	Fish: LC50: 4.6 mg/l; 96H; .
Other:	Avoid entering into waters or underground water. log POW: 1.18

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.



Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	ETHYLACRYLATE, STABILIZED	ETHYLACRYLATE, STABILIZED	ETHYLACRYLATE, STABILIZED
Hazard Class:	3	3	3
UN Number:	1917	1917	1917
Packing Group:	II	II	II

USA RQ: CAS# 140-88-5: 1000 lb final RQ; 454 kg final RQ

Section 15 - Regulatory Information

European/International Regulations
European Labeling in Accordance with EC Directives
Hazard Symbols: XN F
Risk Phrases:
➤ R 11 Highly flammable.
➤ R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
➤ R 36/37/38 Irritating to eyes, respiratory system and skin.
➤ R 43 May cause sensitization by skin contact.
Safety Phrases:
➤ S 9 Keep container in a well-ventilated place.
➤ S 16 Keep away from sources of ignition - No smoking.
➤ S 25 Avoid contact with eyes.
➤ S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
➤ S 33 Take precautionary measures against static discharges.
➤ S 36/37 Wear suitable protective clothing and gloves.
➤ S 43A In case of fire, use dry chemical (never use water).
WGK (Water Danger/Protection)
➤ CAS# 140-88-5: 2
Canada
➤ CAS# 140-88-5 is listed on Canada's DSL List
US Federal
➤ TSCA
➤ CAS# 140-88-5 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	September 20, 2007
Revision #0 Date	

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