

# MATERIAL SAFETY DATA SHEET

## 2-Ethylhexyl acrylate, stabilized

### Section 1 - Chemical Product & Company Identification

MSDS Name:	2-Ethylhexyl acrylate, stabilized
Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
For information in the INDIA, call:	Tel: +91 - 22 - 2275 5555 / 6184 0000, Fax: +91 - 22 - 2275 5556 / 6184 0001

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#	Hazard Symbols:	Risk Phrases:
103-11-7	2-Ethylhexyl acrylate	99+%	203-080-7		
150-76-5	4-Methoxyphenol	10-20 ppm	205-769-8	XN	22 36 43

Text for R-phrases: see Section 16

Hazard Symbols:	XI
	
Risk Phrases:	37/38 43

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

*Irritating to respiratory system and skin. May cause sensitization by skin contact.*

#### Potential Health Effects

<b>Eye:</b>	May cause eye irritation. Lachrymator (substance which increases the flow of tears).
<b>Skin:</b>	Causes skin irritation. May cause sensitization by skin contact.
<b>Ingestion:</b>	May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
<b>Inhalation:</b>	Causes respiratory tract irritation. May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May cause abdominal pain, nausea, vomiting, and inflammation of the gums and mouth.
<b>Chronic:</b>	

### Section 4 - First Aid Measures

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

## Section 5 - Fire Fighting Measures

<b>General Information:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Exposure to heat may promote violent decomposition. Will burn if involved in a fire.
<b>Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or chemical foam.

## Section 6 - Accidental Release Measures

<b>General Information:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Spills/Leaks:</b>	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.

## Section 7 - Handling and Storage

<b>Handling:</b>	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
<b>Storage:</b>	Keep away from sources of ignition. Do not store in direct sunlight. Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39°F.)

## Section 8 - Exposure Controls, Personal Protection

<b>Engineering Controls:</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
<b>Exposure Limits</b>	CAS# 103-11-7: Germany: 10 ppm TWA; 82 mg/m <sup>3</sup> TWA Russia: 1 mg/m <sup>3</sup> TWA (Vapour)
	<b>CAS# 150-76-5:</b> Belgium - TWA: 5 mg/m <sup>3</sup> VLE France -VME: 5 mg/m <sup>3</sup> VME Germany: 5 mg/m <sup>3</sup> TWA Malaysia: 5 mg/m <sup>3</sup> TWA Netherlands: 5 mg/m <sup>3</sup> MAC Spain: 5 mg/m <sup>3</sup> VLA-ED

### Personal Protective Equipment

<b>Eyes:</b>	Wear chemical splash goggles.
<b>Skin:</b>	Wear appropriate protective gloves to prevent skin exposure.
<b>Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure.
<b>Respirators:</b>	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

<b>Physical State:</b>	Clear liquid
<b>Color:</b>	APHA: 10 max
<b>Odor:</b>	characteristic odor - stench
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	0.13mbar @20 deg C
<b>Viscosity:</b>	1.7 mPa.s @20 deg C
<b>Boiling Point:</b>	215 - 219 deg C @760mmHg
<b>Freezing/Melting Point:</b>	-90 deg C ( -130.00°F)
<b>Autoignition Temperature:</b>	245 deg C ( 473.00 deg F)
<b>Flash Point:</b>	86 deg C ( 186.80 deg F)
<b>Explosion Limits: Lower:</b>	0.8 Vol %

<b>Explosion Limits: Upper:</b>	6.4 Vol %
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	Insoluble
<b>Specific Gravity/Density:</b>	0.880
<b>Molecular Formula:</b>	C11H20O2
<b>Molecular Weight:</b>	184.28

## Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures. Light sensitive. Heat sensitive.
<b>Conditions to Avoid:</b>	High temperatures, incompatible materials, light.
<b>Incompatibilities with Other Materials</b>	Oxidizing agents, strong acids, bases, amines, halogens, peroxides, charcoal.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	May occur.

## Section 11 - Toxicological Information

<b>RTECS#:</b>	CAS# 103-11-7: AT0855000 CAS# 150-76-5: SL7700000
<b>LD50/LC50:</b>	<b>RTECS: CAS# 103-11-7:</b> Draize test, rabbit, eye: 5 mg Severe; Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 20 mg/24H Moderate; Oral, mouse: LD50 = 4400 mg/kg; Oral, mouse: LD50 = 4400 mg/kg; Oral, rat: LD50 = 6500 uL/kg; Oral, rat: LD50 = 6700 mg/kg; Skin, rabbit: LD50 = 8480 uL/kg; <b>RTECS:</b> <b>CAS# 150-76-5:</b> Draize test, rabbit, skin: 6 gm/12D (Intermittent) Mild; Draize test, rabbit, skin: 10%; Oral, rat: LD50 = 1600 mg/kg;
<b>Carcinogenicity:</b>	2-Ethylhexyl acrylate - IARC: Group 3 (not classifiable) 4-Methoxyphenol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
<b>Other:</b>	See actual entry in RTECS for complete information.

## Section 12 - Ecological Information

<b>Ecotoxicity:</b>	Fish: Leuciscus idus: LC50: 23 mg/l; 48H;. Daphnia: EC50: 17.45 mg/l; 48H;. Algae: IC50: 17.45 mg/l; 72H;. Bacteria: Pseudomonas putida: EC10: >1000 mg/l; 30min.;
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## Section 13 - Disposal Considerations

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

## Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	AVIATION REGULATED LIQUID, N.O.S.*		
<b>Hazard Class:</b>	9		
<b>UN Number:</b>	3334	3334	3334
<b>Packing Group:</b>			

## Section 15 - Regulatory Information

### European/International Regulations

#### European Labeling in Accordance with EC Directives

#### Hazard Symbols: XI

#### Risk Phrases:

- R 37/38 Irritating to respiratory system and skin.
- R 43 May cause sensitization by skin contact.

#### Safety Phrases:

- S 36/37 Wear suitable protective clothing and gloves.
- S 46 If swallowed, seek medical advice immediately and show this container or label.

#### WGK (Water Danger/Protection)

- CAS# 103-11-7: 1
- CAS# 150-76-5: 1

#### Canada

- CAS# 103-11-7 is listed on Canada's DSL List
- CAS# 150-76-5 is listed on Canada's DSL List
- US Federal

#### TSCA

- CAS# 103-11-7 is listed on the TSCA Inventory.
- CAS# 150-76-5 is listed on the TSCA Inventory.

## Section 16 - Other Information

### MSDS Creation Date:

July 22, 2015

### Revision #0

#### Text for R-phrases from Section 2

- R 22 Harmful if swallowed.
- R 36 Irritating to eyes.
- R 43 May cause sensitization by skin contact.

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