

**MATERIAL SAFETY DATA SHEET****2-Ethyl-1-hexanol**

<b>MSDS Name:</b>	2-Ethyl-1-hexanol
<b>Synonyms:</b>	
<b>Company Identification:</b>	Hazel Mercantile Limited
<b>Company Identification: (INDIA)</b>	701/712 A, Embassy Centre, Nariman Point, Mumbai - 400 021.
<b>For information in the INDIA, call:</b>	+91 - 22 - 2282 4444 (50 Lines)

**Section 2 - Composition, Information on Ingrédients**

CAS#	Chemical Name:	%	EINECS#
104-76-7	2-Ethyl-1-hexanol	99%	203-234-3

<b>Hazard Symbols:</b>	XN
	
<b>Risk Phrases:</b>	21 36

**Section 3 - Hazards Identification****EMERGENCY OVERVIEW**

*Harmful in contact with skin. Irritating to eyes.*

**Potential Health Effects**

<b>Eye:</b>	Causes severe eye irritation.
<b>Skin:</b>	May cause moderate skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defatting of the skin and dermatitis.
<b>Ingestion:</b>	May cause irritation of the digestive tract. May cause nausea and vomiting.
<b>Inhalation:</b>	May cause respiratory tract irritation. Exposure produces central nervous system depression. May cause headache.
<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. 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. Get medical aid.
<b>Notes to Physician:</b>	Treat symptomatically and supportively.



### 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. Vapors may form an explosive mixture with air. Will burn if involved in a fire. Combustible liquid.
<b>Extinguishing Media:</b>	Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide.

### 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. Do not flush into a sewer.

### 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. Store in a cool, dry place. Store in a tightly closed container.

### 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# 104-76-7: - Germany: 50 ppm TWA; 270 mg/m3 TWA
<b>Personal Protective Equipment</b>	
<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>	alcohol-like
<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	0.144 mbar @20 deg C
<b>Viscosity:</b>	8.8mPa.s@20 deg C
<b>Boiling Point:</b>	184 deg C @760mmHg ( 363.20°F)
<b>Freezing/Melting Point:</b>	76 deg C ( -104.80°F)
<b>Autoignition Temperature:</b>	270 deg C ( 518.00 deg F)
<b>Flash Point:</b>	76 deg C ( 168.80 deg F)
<b>Explosion Limits: Lower:</b>	1.1 Vol%
<b>Explosion Limits: Upper:</b>	7.4 Vol%
<b>Decomposition Temperature:</b>	Not available
<b>Solubility in water:</b>	1 g/l in water (20°C)
<b>Specific Gravity/Density:</b>	.8330g/cm3
<b>Molecular Formula:</b>	C8H18O
<b>Molecular Weight:</b>	130.23

## Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Stable under normal temperatures and pressures.
<b>Conditions to Avoid:</b>	Incompatible materials, excess heat.
<b>Incompatibilities with Other Materials</b>	Strong oxidizing agents, strong acids, plastics.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

## Section 11 - Toxicological Information

<b>RTECS#:</b>	CAS# 104-76-7: MP0350000
<b>LD50/LC50:</b>	<b>RTECS:</b> <b>CAS# 104-76-7:</b> Draize test, rabbit, eye: 20 mg Severe; Draize test, rabbit, eye: 20 mg/24H Moderate; Draize test, rabbit, skin: 500 mg/24H Moderate; Oral, mouse: LD50 = 2500 mg/kg; Oral, rabbit: LD50 = 1180 mg/kg; Oral, rat: LD50 = 3730 mg/kg; Skin, rabbit: LD50 = 1970 mg/kg; Skin, rat: LD50 = >3 gm/kg; Other: Inhalation, rat: LC50 > 20 mg/l/4H
<b>Carcinogenicity:</b>	2-Ethyl-1-hexanol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
<b>Other:</b>	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated. Mutagenicity: Ames-test: negative.

## Section 12 - Ecological Information

<b>Ecotoxicity:</b>	Fish: Leuciscus idus: LC50 = 23 mg/l; 48H; . Daphnia: Daphnia: EC50 = 39 mg/l; 48H; .
<b>Other:</b>	Avoid entering into waters or underground water. Do not empty into drains. Readily biodegradable. log POW = 2,3 - 3,1



### 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:	Not available	Not available	Not available
Hazard Class:			
UN Number:			
Packing Group:			

### Section 15 - Regulatory Information

<b>European/International Regulations</b>
European Labeling in Accordance with EC Directives.
- Hazard Symbols: XN
- Risk Phrases:
➤ R 21 Harmful in contact with skin.
➤ R 36 Irritating to eyes.
<b>Safety Phrases:</b>
➤ S 26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
➤ S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
<b>WGK (Water Danger/Protection)</b>
➤ CAS# 104-76-7: 2
<b>Canada</b>
➤ CAS# 104-76-7 is listed on Canada's DSL List
<b>US Federal</b>
➤ TSCA

### Section 16 - Other Information

<b>MSDS Creation Date:</b>	August 16, 2007
<b>Revision #1 Date</b>	

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