

MATERIAL SAFETY DATA SHEET

2-Ethyl-1-hexanol

MSDS Name:	2-Ethyl-1-hexanol
Synonyms:	
Company Identification: (INDIA)	Veritas House, 70 Mint Road, Fort, Mumbai - 400 001. INDIA
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Section 2 - Composition, Information on Ingrédients

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

Hazard Symbols:	XN
	
Risk Phrases:	21 36

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Harmful in contact with skin. Irritating to eyes.

Potential Health Effects

Eye:	Causes severe eye irritation.
Skin:	May cause moderate skin irritation. Harmful if absorbed through the skin. Prolonged and/or repeated contact may cause defeating of the skin and dermatitis.
Ingestion:	May cause irritation of the digestive tract. May cause nausea and vomiting.
Inhalation:	May cause respiratory tract irritation. Exposure produces central nervous system depression. May cause headache.
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: Treat symptomatically and supportively.

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. Combustible liquid.
Extinguishing Media:	Use water spray to cool fire-exposed containers. Use foam, dry chemical, or carbon dioxide.

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. Do not flush into a sewer.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Take precautionary measures against static discharges.
Storage:	Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:

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.

Exposure Limits

CAS# 104-76-7:
- Germany: 50 ppm TWA; 270 mg/m³ TWA

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:	alcohol-like
pH:	Not available
Vapor Pressure:	0.144 mbar @20 deg C
Viscosity:	8.8mPa.s@20 deg C
Boiling Point:	184 deg C @760mmHg (363.20°F)
Freezing/Melting Point:	76 deg C (-104.80°F)
Autoignition Temperature:	270 deg C (518.00 deg F)
Flash Point:	76 deg C (168.80 deg F)
Explosion Limits: Lower:	1.1 Vol%
Explosion Limits: Upper:	7.4 Vol%
Decomposition Temperature:	Not available
Solubility in water:	1 g/l in water (20°C)
Specific Gravity/Density:	.8330g/cm ³
Molecular Formula:	C ₈ H ₁₈ O
Molecular Weight:	130.23

Section 10 - Stability and Reactivity

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

Section 11 - Toxicological Information

RTECS#:	CAS# 104-76-7: MP0350000
LD50/LC50:	RTECS: CAS# 104-76-7: 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

Carcinogenicity:	2-Ethyl-1-hexanol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated. Mutagenicity: Ames-test: negative.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Leuciscus idus: LC50 = 23 mg/l; 48H; . Daphnia: Daphnia: EC50 = 39 mg/l; 48H; .
Other:	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

European/International Regulations

European Labeling in Accordance with EC Directives.

- Hazard Symbols: XN

- Risk Phrases:

- R 21 Harmful in contact with skin.
- R 36 Irritating to eyes.

Safety Phrases:

- 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.

WGK (Water Danger/Protection)

- CAS# 104-76-7: 2

Canada

- CAS# 104-76-7 is listed on Canada's DSL List

US Federal

- TSCA

Section 16 - Other Information

MSDS Creation Date:	July 22, 2015
Revision #1 Date	

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