Material Safety Data Sheet

2 Ethyl Hexanol (RXSOL-19-1568-210)

1. Product and Company Identifaction

Product Name	2 Ethyl Hexanol
Part Number	RXSOL-19-1568-210

Company Details:
RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EC Num
2 Ethyl Hexanol	104-76-7	203-234

3. Hazards Identification

Signal Word	Warning
Classification according to Regulation (EC) No 1272/2008	Acute toxicity, Inhalation (Category 4), H332 Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
Hazard Statements	Avoid breathing dust/fume/gas/mist/vapors/spray.Use only outdoors or in a well-ventilated area Wash face, hands and any exposed skin thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. - No smoking
Precautionary statements - prevention	**Inhalation** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.Call a POISON CENTER or doctor/physician if you feel unwell. **Skin** IF ON SKIN: Wash with plenty of soap and water.If skin irritation occurs: Get medical advice/attention.Take off contaminated clothing and wash before reuse. **Eyes** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.If eye irritation persists: Get medical advice/attention. **Fire** In case of fire: Use CO2, dry chemical, or foam for extinction. **Storage** Store in a well-ventilated place. Keep container tightly closed.Store locked up **Disposal** Dispose of contents/container to an approved waste disposal plant
Precautionary statements - response	Get medical attention/advice if you feel unwell

4. First Aid Measures

Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.
Inhalation:	Move to fresh air. If not breathing, give artificial respiration. Get medical attention ifm symptoms occur. Risk of serious damage to the lungs.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately. If vomiting occurs naturally, have victim lean forward.
Most important symptoms/effects	Breathing difficulties. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Notes to Physician	Treat symptomatically

5. Fire-fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire
Flash Point	77 °C / 170.6 °F
AutoignitionTemperature	270 °C / 518 °F
Explosion Limits Uper	7.4 %
Explosion Limits Lower	1.1 %
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available
Specific Hazards Arising from the Chemical	Combustible material. Flammable. Containers may explode when heated.
Hazardous Combustion Products	Carbon monoxide (CO) Carbon dioxide (CO2)
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.
Further Information	Remove container from danger zone and cool with water. Prevent fire extinguishing water from contaminating surface water or the ground water system.

6. Accidental Release Measures

Spillage	Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
Personal Protection	Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
Enviromental Precaution	Should not be released into the environment. See Section 12 for additional ecological information. Avoid release to the environment. Collect spillage. Do not flush into surface water or sanitary sewer system.
Methods and materials for containment and cleaning	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Do not let this chemical enter the environment. Remove all sources of ignition. Take precautionary measures against static discharges.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Do not ingest. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. Use explosion-proof equipment. Take precautionary measures against static discharges.

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Flammables area. Corrosives area.
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

8. Exposure controls and personal protection

Engineering Control	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal Protection	**Eye/face Protection** : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin and body protection** : Wear appropriate protective gloves and clothing to prevent skin exposure. Long sleeved clothing.Flame retardant antistatic protective clothing. **Respiratory Protection** : 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.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Exposure Limits	This product does not contain any hazardous materials with occupational exposure limitsestablished by the region specific regulatory bodies.



Gloves



Suit

9. Physical and chemical properties

Form	Liquid
Colour	Colourless
Odour	Alcohol-like
Odor Threshold	No Information Available
pH	Not Applicable
Melting Point/Range	-76 °C / -104.8 °F
Boiling Point/Range	184 °C / 363.2 °F @ 760 mmHg
Flash Point	77 °C / 170.6 °F
Evaporation Rate	No information available
Flammability (solid, gas)	Not Applicable
Explosive limits	Upper 7.4 % Lower 1.1 %
Vapour pressure	0.36 hPa @ 20 °C
Vapour Density	4.5 (Air = 1.0)

Secific Gravity	0.833
Decomposition Temperature	No information available
Partition coefficient	No data available
Autoignition Temperature	270 °C / 518 °F
Solubility in Water	1 g/l at 20 °C
Viscosity	10 mPa s at 20 °C
Molecular Formula	C8 H18O
Molecular Weight	130.23

10. Stability and reactivity

Recativity Hazard	None known, based on information available
Stability	Stable under normal conditions.
Possibility of hazardous reactions	No known hazardous reactions.
Conditions to avoid	Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.
Incompatible materials	Strong oxidizing agents, Strong acids, Strong bases
Hazardous Decomposition Products	Carbon monoxide (CO), Carbon dioxide (CO2),
Hazardous Polymerization	Hazardous polymerization does not occur. Hazardous Reactions None under normal processing

11. Toxicological information

Acute toxicity	LD50 Oral - Rat - 3,730 mg/kg(2-Ethylhexan-1-ol) Remarks: Brain and Coverings:Recordings from specific areas of CNS. Behavioral:Somnolence (general depressed activity). Lungs, Thorax, or Respiration:Dyspnea. LD50 Dermal - Rat - > 3,000 mg/kg(2-Ethylhexan-1-ol) (OECD Test Guideline 402)
Skin corrosion	Skin - Rabbit(2-Ethylhexan-1-ol) Result: Skin irritation - 24 h (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes - Rabbit(2-Ethylhexan-1-ol) Result: Moderate eye irritation - 24 h
Respiratory or skin sensitisation	No data available(2-Ethylhexan-1-ol)
Other Adverse Effects	The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information.

12. Ecological information

Toxicity to Fish	LC50 - Leuciscus idus (Golden orfe) - 17.1 mg/l - 96 h(2-Ethylhexan-1-ol) NOEC - Leuciscus idus (Golden orfe) - 14 mg/l - 96 h(2-Ethylhexan1-ol)
Toxicity to daphnia and other aquatic -invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 39 mg/l - 48 h(2-Ethylhexan-1-ol)
Biodegradation:	Readily biodegradable (OECD Test Guideline 301C)
Mobility in soil	No information available.
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	Harmful to aquatic life.

13. Disposal considerations

Waste Disposal Method	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification

14. Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

Safety and Enviroment Regulation	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
TSCA (US Toxic Substances Control Act):	This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.
DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act):	This product is listed on the DSL. Any impurities present in this product are exempt from listing.
Chemical safety assessment	For this product a chemical safety assessment was not carried out

HMIS

Health Hazard	: 2
Fire Hazard	: 2
Reactivity	: 0
Personal Protection	: H

NFPA :

Health Hazard	: 2
Fire Hazard	: 2
Reactivity	: 0
Specific Hazard	: ..

16. Other information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if **RX Marine International** has been advised of the possibility of such damages.

Other Information

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