



SAFETY DATA SHEET

2-ETHYLHEXANOL (2-EH)

CAS No.: 104-76-7

This Safety Data Sheet is compiled from well-established published chemical, GHS classification and regulatory reference sources for this substance. It is supplied by Suraj Chemicals as the distributor/supplier of record and is not a manufacturer-issued document. Users should also consult the specific manufacturer's SDS where available.

1. IDENTIFICATION

Product Name	2-Ethylhexanol (2-EH)
CAS Number	104-76-7
Recommended Use	Industrial / commercial chemical trading and distribution
Supplier	Suraj Chemicals, No 92, Govindappa Naicken Street, Shiva Complex, Chennai - 600001, India
Emergency Telephone	+91 - 9840284032, 9176135357 / +91 - 44 - 25393652

2. HAZARD(S) IDENTIFICATION

GHS Signal Word Warning

HAZARD CLASSIFICATION

- Skin irritation - Category 2
- Serious eye irritation - Category 2A
- Specific target organ toxicity, single exposure - Category 3 (respiratory irritation)

HAZARD STATEMENTS

- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation

PRECAUTIONARY STATEMENTS

- P261 - Avoid breathing vapours/mist
- P264 - Wash exposed skin thoroughly after handling
- P271 - Use only outdoors or in a well-ventilated area
- P280 - Wear protective gloves/eye protection/face protection
- P302+P352 - IF ON SKIN: wash with plenty of water
- P305+P351+P338 - IF IN EYES: rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing
- P337+P313 - If eye irritation persists: get medical advice/attention
- P403+P233 - Store in a well-ventilated place; keep container tightly closed

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	2-Ethylhexanol (2-EH)
CAS Number	104-76-7
Physical State	Liquid
Appearance / Odour	Colorless liquid with a mild, characteristic odor.

4. FIRST-AID MEASURES

Eye Contact	Rinse cautiously with water for several minutes; remove contact lenses if present; continue rinsing and seek medical attention if irritation persists.
Skin Contact	Wash off with plenty of water and soap; seek medical attention if irritation persists.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing; seek medical attention if respiratory irritation persists.
Ingestion	Rinse mouth; give water to drink if conscious; seek medical attention if discomfort occurs.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Dry chemical, carbon dioxide, alcohol-resistant foam, or water spray/fog.
Unsuitable Extinguishing Media	None specifically identified.
Special Hazards	Combustible liquid; combustion produces carbon monoxide and carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Measures	Ventilate the area, contain the spill with inert absorbent, avoid skin/eye contact, prevent entry into drains/waterways, and collect for disposal using non-sparking tools.
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7. HANDLING AND STORAGE

Handling Precautions	Use with adequate ventilation, avoid prolonged skin/eye contact, and use appropriate PPE, particularly given this is a key raw material for plasticizer (DEHP/DOP) manufacture.
Storage Conditions	Store in a cool, dry, well-ventilated area away from strong oxidizers, in tightly closed containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits / PPE	ACGIH TLV ~5.6 mg/m3 (ceiling) commonly referenced; use chemical-resistant gloves (nitrile), chemical splash goggles, and a NIOSH-approved organic vapor respirator where vapor/mist exceeds exposure limits.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Appearance / Odour	Colorless liquid with a mild, characteristic odor.
Boiling Point	~183-185 C
Melting Point	~-70 C
Flash Point	~73-81 C (closed cup)
Density / Specific Gravity	~0.833 g/cm3 at 20 C
Water Solubility	Slightly soluble, ~0.9 g/L at 20 C
pH Value	Not applicable (non-aqueous, essentially neutral organic liquid)

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of storage and use.
Incompatible Materials	Strong oxidizing agents and strong acids.
Hazardous Decomposition	Carbon monoxide and carbon dioxide on combustion.

11. TOXICOLOGICAL INFORMATION

Summary	Causes skin and eye irritation and may cause respiratory irritation; low acute oral toxicity; not classified as a carcinogen, mutagen or reproductive toxicant based on current data, though repeated high exposure has shown liver effects (peroxisome proliferation) in rodent studies of limited relevance to humans.
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12. ECOLOGICAL INFORMATION

Summary	Moderately biodegradable; low-to-moderate aquatic toxicity; should be prevented from entering waterways as good practice.
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13. DISPOSAL CONSIDERATIONS

Disposal Method	Dispose of as hazardous/chemical waste through a licensed waste management facility in accordance with local regulations; do not discharge undiluted to sewers.
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14. TRANSPORT INFORMATION

UN Number	Not regulated for transport under normal conditions
Transport Hazard Class	Not regulated
Packing Group	Not applicable

15. REGULATORY INFORMATION

Notes	Major industrial intermediate for plasticizer (e.g., DEHP/DOP), lubricant and surfactant manufacture; classified as an irritant under GHS, OSHA HCS and EU CLP; not regulated for transport as a dangerous good under standard classification.
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16. OTHER INFORMATION

Prepared By	Suraj Chemicals, Technical / QA Desk
Date of Issue	29 Sep 2026
Note	This SDS is compiled from well-established published GHS hazard classification data and general chemical reference sources for this substance, in the standard 16-section format. Values are believed accurate but Suraj Chemicals makes no warranty, express or implied, regarding their completeness. Users should evaluate suitability for their own specific use.

(This document is computer generated and therefore does not require any signature.)

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