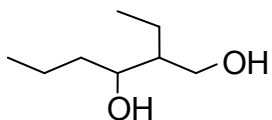


Trade name **2 - ETHYL - 1,3 - HEXANEDIOL
(OCTANEDIOL)**

Chemical Name 2-ETHYL-1,3-HEXANEDIOL
Chemical Structure CH₃CH₂CH₂CH(OH)CH(C₂H₅)CH₂OH



Molecular Formula C₈H₁₈O₂
Molecular Weight 146.2
CAS No. 94-96-2
EINECS No. 202-377-9
TSCA On Inventory

| Specification | Item | Unit | Specification | Method |
|---------------|----------------------------|---------|---------------|------------|
| | Appearance | | Clear Liquid | |
| | Color | APHA | 20 max. | JIS K 0071 |
| | Specific Gravity (20/20°C) | | 0.939 – 0.944 | JIS K 0061 |
| | Purity | Wt % | 98.5 min. | JIS K 0114 |
| | Water Content | Wt % | 0.1 max. | JIS K 0068 |
| | Acid Value | KOHmg/g | 0.10 max. | JIS K 0070 |

| Physical Property | Item | Unit | |
|-------------------|--|--------|------------------------|
| | Boiling Point | °C | 244.2 |
| | Specific Gravity (20/20°C) | | 0.942 |
| | Melting Point | °C | <-40 |
| | Refractive Index (n _D ²⁰) | | 1.449 |
| | Viscosity (20°C) | mPa·s | 320 |
| | Flash Point (open cup) | °C | 135 |
| | Vapor Density (Air=1) | °C | 5.0 |
| | Ignition Point | °C | 360 |
| | Solubility (in Water 20°C) | g/100g | 0.6 |
| | Surface Tension (25°C) | N/cm | 2.9 × 10 ⁻⁴ |

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| | | | |
|--|---|---|-------------|
| Health Hazards | Acute toxicity data on 2 - ETHYL - 1,3 - HEXANEDIOL | | |
| | Acute Toxicity | LD50(oral) | rat 1.4g/Kg |
| Emergency and First Aid Procedure | 1)Skin Contact | Remove contaminated clothing. Wash the affected area with plenty of clean water and soap. If irritation develops, see a physician. | |
| | 2)Eye Contact | Flash eyes with plenty of clean water for at least 15 minutes while holding eyelids open. If irritation develops , see a physician. | |
| | 3)Inhalation | If a large amount is inhaled , remove individual(s) to fresh air. | |
| Storage | Tighten the cap of container and store in a cool , dry , well-ventilated , storage area of cabinet. | | |
| Extinguishing Media | Water spray , Dry chemicals , Protein type air foams or carbon dioxide . | | |
| Packing | 190Kg 20MT | Iron drum ISO-Container | |

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