

Material Safety Data Sheet (MSDS) for 2 -Ethylhexanol

Product Name: 2-Ethylhexanol

Chemical Formula: C₈H₁₈O

Synonyms: 2-Ethylhexyl alcohol, Isooctanol

CAS Number: 104-76-7

Section 1: Identification

Product Identifier: 2-Ethylhexanol

Manufacturer/Supplier: ATDMCO Turan Güneş Blv. İlkbahar Mah. Galip Erdem CD. 613 Sk.(Fahrettin Paşa) 06550 Çankaya/Ankara Insert Address

Emergency Phone Number: 00903125147055

Recommended Use: Intermediate in chemical synthesis, solvent, plasticizer.

Section 2: Hazards Identification

Classification of the Substance or Mixture: Flammable liquid (Category 2) Eye Irritant (Category 2B)

Label Elements: Pictograms: [Insert Flame pictogram] [Insert Exclamation Mark pictogram]

Signal Word: Warning

Hazard Statements: H225: Highly flammable liquid and vapor. H320: Causes eye irritation.

Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P280: Wear eye protection/face



protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

Section 3: Composition/Information on Ingredients

Chemical Name 2-Ethylhexanol

CAS Number 104-76-7

Concentration [Insert Concentration if Applicable]

Section 4: First-Aid Measures

Eye Contact: Flush eyes gently with water for at least 15 minutes. Remove contact lenses if present and easy to do. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing. Wash skin with soap and water. If irritation occurs, seek medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If breathing is stopped, give artificial respiration. Seek medical attention.

Ingestion: Do not induce vomiting. Rinse mouth with water. Seek medical attention.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media: Foam, CO₂, dry chemical powder, water fog.

Specific Hazards Arising from the Chemical: Flammable liquid and vapor. Vapors may form explosive mixtures with air. Heating can cause expansion or decomposition leading to violent rupture of containers.

Special Protective Equipment and Precautions for Firefighters: Wear full protective clothing and self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions: Wear appropriate protective equipment. Avoid inhalation, skin, and eye contact.

Environmental Precautions: Prevent from entering into soil, waterways, or drains. Inform the relevant authorities if the product has caused environmental pollution.

Section 7: Handling and Storage

Handling: Use in a well-ventilated area. Avoid contact with eyes, skin, and clothing. Avoid breathing vapors.

Storage: Keep container tightly closed in a cool, well-ventilated place away from heat, sparks, and open flames.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Ensure adequate ventilation. Use explosion-proof equipment if handling in flammable atmospheres.

Personal Protective Equipment: Wear safety goggles, gloves, and suitable protective clothing.

Section 9: Physical and Chemical Properties

Appearance: Colorless liquid

Odor: Characteristic odor

Boiling Point: 186 °C / 367 °F

Melting Point: < -20 °C / -4 °F

Flash Point: 75 °C / 167 °F

Density: 0.832 g/cm³

Solubility in Water: 0.9 g/L

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames, ignition sources.

Incompatible Materials: Strong oxidizing agents, acids, alkalis.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

Acute Toxicity: LD50 (oral, rat): [Insert LD50 value]

Skin Corrosion/Irritation: Causes skin irritation.

Serious Eye Damage/Irritation: Causes eye irritation.

Section 12: Ecological Information

Ecotoxicity: [Insert Ecotoxicity data if available]

Persistence and Degradability: [Insert data if available]

Bioaccumulative Potential: [Insert data if available]

Section 13: Disposal Considerations

Dispose of contents and container in accordance with local, regional, national, and international regulations.

Section 14: Transport Information

UN Number: UN 2281

Shipping Name: 2-Ethylhexanol

Transport Hazard Class: 3

Packing Group: III

Section 15: Regulatory Information

International Regulations Not applicable. National regulations Canada Comply with the legislation concerning equipment and protective systems intended for use in potentially explosive atmospheres. WHMIS Hazard Class B3 - Combustible liquid, D2B - Toxic materials

Section 16: Other Information

This information is provided in good faith, but no warranty, express or implied, is made. Consult the manufacturer/supplier for further advice.