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## Material Safety Data Sheet

### 2-Octyl-1-Dodecanol

#### Section 1: Chemical Product and Company Identification

**Product Name:** 2-Octyl-1-Dodecanol

**Catalog Codes:** Not available

**CAS#:** 5333-42-6

**EINECS#:** 226-242-9

**TSCA:** Not available

**CI#:** Not available

**Synonym:** 2-Octyl Dodecanol

**Chemical Name:** 2-Octyl-1-Dodecanol

**Chemical Formula:** C<sub>20</sub>H<sub>42</sub>O

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#### Section 2: Composition and Information on Ingredients

**Composition:**

Name	CAS #	% by Weight
2-Octyl-1-Dodecanol	5333-42-6	100

**Toxicological Data on Ingredients:** 2-Octyl-1-Dodecanol: Not available

### Section 3: Hazards Identification

#### Potential Acute Health Effects

Hazardous in case of skin contact (irritant). Slightly hazardous in case of eye contact (irritant), of ingestion, of Inhalation.

#### Potential Chronic Health Effects

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure is not known to aggravate medical condition

### Section 4: First Aid Measures

#### Eye contact

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

#### Skin contact

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

#### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

#### Ingestion

Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

### Section 5: Fire and Explosion Data

#### Flammability of the Product

May be combustible at high temperature.

#### Auto-Ignition Temperature

265° C (509° F)

#### Products of Combustion

These products are carbon oxides (CO, CO<sub>2</sub>)

#### Fire Hazards in Presence of Various Substances

Slightly flammable to flammable in presence of open flames and sparks, of heat.

#### Explosion Hazards in Presence of Various Substances

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

#### Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## Section 6: Accidental Release Measures

### Small spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal.

### Large spill

Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

## Section 7: Handling and Storage

### Precautions

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, acids.

### Storage

Store in under normal temperature cool place. Keep container tightly closed in a dry and well-ventilated place. After opening the sealed packaging barrels must carefully again and stand to avoid leakage.

## Section 8: Exposure Controls/Personal Protection

### Engineering Controls

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

Safety glasses or Splash goggles. Synthetic apron or Lab coat. Gloves (impervious). Respiratory protection is not normally required for normal handling of the vapor pressure of this material at room room temperature. If handling material in areas where ventilation is inadequate or under conditions causing excessive airborne levels of mist or vapor, a vapor respirator may be needed.

### Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

### Exposure Limits

Not available.

## Section 9: Physical and Chemical Properties

**Physical state and appearance:** Liquid (Oily liquid)

**Taste:** Not available.

**Molecular Weight:** 298.55 g/mole

**Color:** Colorless  
**pH (1% soln/water):** Not available.  
**Boiling Point:** 290°C  
**Melting Point:** 1°C  
**Flashing Point:** 148°C  
**Refractive Index:** 1.438-1.440  
**Critical Temperature:** Not available.  
**Specific Gravity:** 0.836g/cm<sup>3</sup>  
**Vapor Pressure:** 1kPa (@207°C).  
**Vapor Density:** Not available.  
**Volatility:** Not available.  
**Odor Threshold:** Not available.  
**Water/Oil Dist. Coeff.:** Not available.  
**Ionicity (in Water):** Not available.  
**Solubility:** Insoluble in cold water, hot water.

#### Section 10: Stability and Reactivity Data

**Stability:** The product is stable.  
**Instability Temperature:** Not available.  
**Conditions of Instability:** Excess heat, incompatible materials.  
**Incompatible materials:** Reactive with oxidizing agents, acids.  
**Corrosivity:** Not available.  
**Special Remarks on Reactivity:** Incompatible with inorganic acids, halogens, oxidizers.  
**Special Remarks on Corrosivity:** Not available.  
**Polymerization:** Will not occur.

#### Section 11: Toxicological Information

**Routes of Entry:** Eye contact. Inhalation. Ingestion.  
**Toxicity to Animals:** LD50: Not available. LC50: Not available.  
**Chronic Effects on Humans:** The substance is toxic to blood, lungs, mucous membranes.  
**Other Toxic Effects on Humans:**  
Hazardous in case of skin contact (irritant). Slightly hazardous in case of ingestion, of inhalation.  
**Special Remarks on Toxicity to Animals:** Not available.  
**Special Remarks on Chronic Effects on Humans:** Not available.  
**Special Remarks on other Toxic Effects on Humans:**  
Acute Potential Health Effects:  
Skin: Causes moderate skin to severe skin irritation.  
Eyes: Causes mild eye irritation.  
Inhalation: Low hazard for normal handling. Inhalation of high concentrations of vapor or mist may cause respiratory tract irritation.  
Ingestion: Expected to be a low hazard.

### Section 12: Ecological Information

**Ecotoxicity:** Not available.

**BOD5 and COD:** Not available.

**Products of Biodegradation:** Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation:** The product itself and its products of degradation are not toxic.

**Special Remarks on the Products of Biodegradation:** Not available.

### Section 13: Disposal Considerations

#### Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### Section 14: Transport Information

**DOT (US)** Not dangerous goods

**IMDG** Not dangerous goods

**IATA** Not dangerous goods

### Section 15: Other Regulatory Information

**Federal and State Regulations:** TSCA 8(b) inventory: 2-Octyl-1-Dodecanol

#### California Proposition 65 Warnings:

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found

#### Other Regulations:

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 226-242-9).

Canada: Listed on Canadian Domestic Substance List (DSL).

China: Listed on National Inventory.

Japan: Listed on National Inventory (ENCS).

Korea: Listed on National Inventory (KECI).

Philippines: Listed on National Inventory (PICCS).

Australia: Listed on AICS.

#### Other Classifications:

**WHMIS (Canada):** CLASS D-2B: Material causing other toxic effects (TOXIC).

**DSCL (EEC):** R36/38- Irritating to eyes and skin.

S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37- Wear suitable protective clothing and gloves.

**HMIS (U.S.A.):**

**Health Hazard: 2**

**Fire Hazard: 1**

**Reactivity: 0**

**Personal Protection: C**

**National Fire Protection Association (U.S.A.):**

**Health: 2**

**Flammability: 1**

**Reactivity: 0**

**Specific hazard:**

**Protective Equipment:**

Gloves (impervious). Synthetic apron. Wear appropriate respirator when ventilation is inadequate.

Safety glasses.

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

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