# SIGMA-ALDRICH

# **Material Safety Data Sheet**

Version 3.0 Revision Date 08/24/2008 Print Date 07/28/2010

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : (±)-2-Octanol

Product Number : 74858 Brand : Aldrich

Company : Sigma-Aldrich

3050 Spruce Street

SAINT LOUIS MO 63103

USA

Telephone : +18003255832 Fax : +18003255052 Emergency Phone # : (314) 776-6555

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C8H18O Molecular Weight : 130.23 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
(+/-)-Octan-2-ol			
4128-31-8	223-938-4	-	-

### 3. HAZARDS IDENTIFICATION

### **Emergency Overview**

**OSHA Hazards**Combustible Liquid

**HMIS Classification** 

Health Hazard: 0 Flammability: 2 Physical hazards: 0

**NFPA Rating** 

Health Hazard: 0 Fire: 2 Reactivity Hazard: 0

### **Potential Health Effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.Skin May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation. Ingestion May be harmful if swallowed.

### 4. FIRST AID MEASURES

#### General advice

Move out of dangerous area.

#### If inhaled

If breathed in, move person into fresh air. If not breathing give artificial respiration

#### In case of skin contact

Wash off with soap and plenty of water.

### In case of eye contact

Flush eyes with water as a precaution.

### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### 5. FIRE-FIGHTING MEASURES

### Flammable properties

Flash point 71 °C (160 °F) - closed cup

Ignition temperature no data available

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

#### **6. ACCIDENTAL RELEASE MEASURES**

### Personal precautions

Avoid breathing vapors, mist or gas.

#### **Environmental precautions**

Do not let product enter drains.

### Methods for cleaning up

Keep in suitable, closed containers for disposal.

# 7. HANDLING AND STORAGE

# Handling

Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

### Storage

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

# Respiratory protection

Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Hand protection

For prolonged or repeated contact use protective gloves.

### Eye protection

Safety glasses

# Hygiene measures

General industrial hygiene practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Appearance**

Form clear, liquid Colour colourless

Safety data

pH no data available

Melting point no data available

Boiling point 179 - 180 °C (354 - 356 °F) at 1,013 hPa (760 mmHg)

Flash point 71 °C (160 °F) - closed cup

Ignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available

Density 0.819 g/mL at 20 °C (68 °F)

Water solubility no data available

### 10. STABILITY AND REACTIVITY

### Storage stability

Stable under recommended storage conditions.

### 11. TOXICOLOGICAL INFORMATION

# **Acute toxicity**

no data available

### Irritation and corrosion

no data available

### **Sensitisation**

no data available

### Chronic exposure

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as

probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as

a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as

a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as

a carcinogen or potential carcinogen by OSHA.

### Signs and Symptoms of Exposure

prolonged or repeated exposure can cause:, Nausea, Dizziness, Headache, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Potential Health Effects**

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.Skin May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation. **Ingestion** May be harmful if swallowed.

### 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

no data available

### **Ecotoxicity effects**

no data available

## Further information on ecology

no data available

### 13. DISPOSAL CONSIDERATIONS

#### **Product**

This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

### Contaminated packaging

Dispose of as unused product.

### 14. TRANSPORT INFORMATION

DOT (US)

UN-Number: 1993 Class: CBL Packing group: III Proper shipping name: Combustible liquid, n.o.s. ((+/-)-Octan-2-ol)

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG

Not dangerous goods

IATA

Not dangerous goods

### 15. REGULATORY INFORMATION

### **OSHA Hazards**

Combustible Liquid

#### **DSL Status**

This product contains the following components that are not on the Canadian DSL nor NDSL lists.

CAS-No. 4128-31-8

(+/-)-Octan-2-ol

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

Fire Hazard

### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right To Know Components

CAS-No. (+/-)-Octan-2-ol 4128-31-8

**New Jersey Right To Know Components** 

CAS-No. Revision Date

(+/-)-Octan-2-ol 4128-31-8

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

### **16. OTHER INFORMATION**

### **Further information**

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**Revision Date**