

**1. PRODUCT AND COMPANY IDENTIFICATION:**

**PRODUCT CODE** A0457  
**PRODUCT NAME** CIS-3-NONEN-1-OL  
**SUPPLIER** Shanghai M & U International Trade Co., Ltd.  
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**FOR EMERGENCIES CALL CHEMTREC: 800-424-9300 (24-HOURS)**

**2. HAZARD IDENTIFICATION:**

**Emergency Overview**

**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Flammable liquids (Category 4)  
Eye irritation (Category 2A)  
Acute aquatic toxicity (Category 2)  
Chronic aquatic toxicity (Category 2)

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word**

Warning

**Hazard statement(s)**

H227 Combustible liquid.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P264 Wash skin thoroughly after handling.  
P273 Avoid release to the environment.

P280 Wear protective gloves/ protective clothing/ 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.  
P337 P313 If eye irritation persists: Get medical advice/ attention.  
P370 P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
P391 Collect spillage.  
P403 P235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents/ container to an approved waste disposal plant.

#### **HMIS Classification**

Health hazard 2  
Flammability 2  
Physical hazards 1

#### **NFPA Rating**

Health hazard 2  
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**

Causes eye irritation.

##### **Ingestion**

May be harmful if swallowed.

### **3. COMPOSITION AND INFORMATION ON INGREDIENTS:**

**SYNONYM:** (Z)-Non-3-en-1-ol  
**Formula:** C<sub>9</sub> H<sub>18</sub> O  
**Molecular Weight:** 142.24 g/mol  
**CAS-No.:** 10340-23-5  
**EC-No.:** 233-735-2  
**Index-No.:** N/A  
**Concentration:** N/A

### **4. FIRST-AID GUIDE:**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**If inhaled**

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

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

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

**5. FIRE-FIGHTING GUIDE:****Flammable properties**

Flash point >200 °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 firefighting if necessary.

**6. ACCIDENTAL RELEASE GUIDE:****Personal precautions**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

**Environmental precautions**

Do not let product enter drains.

**Methods and materials for containment and cleaning up**

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE:****Handling**

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition -

No smoking. Take measures to prevent the buildup 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.

Recommended storage temperature: 2 - 8 C.

## **8. EXPOSURE AND PERSONAL PROTECTION:**

Contains no substances with occupational exposure limit values.

### **Personal protective equipment**

#### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Hand protection**

Handle with gloves.

#### **Eye protection**

Safety glasses with side-shields conforming to EN166

#### **Skin and body protection**

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## **9. PHYSICAL AND CHEMICAL PROPERTIES:**

<b>Appearance</b>	
<b>Form</b>	LIQUID
<b>Colour</b>	COLORLESS TO PALE YELLOW
<b>Safety data</b>	
<b>pH</b>	no data available
<b>Melting point (°C)</b>	no data available
<b>Boiling point (°C)</b>	65
<b>Flash point (°F) Closed cup</b>	>200
<b>Ignition temperature</b>	no data available

<b>Auto ignition temperature</b>	no data available
<b>Lower explosion limit</b>	no data available
<b>Upper explosion limit</b>	no data available
<b>Vapour pressure (mm Hg@20 °C)</b>	no data available
<b>Density @25 °C</b>	0.841
<b>Water solubility</b>	INSOLUBLE
<b>Partition coefficient (n-octanol/water)</b>	no data available
<b>Relative vapour density</b>	no data available
<b>Odor</b>	FRESH, WAXY, GREEN MELON
<b>Odour Threshold</b>	no data available
<b>Evaporation rate</b>	no data available

## 10. STABILITY AND REACTIVITY:

### Storage stability

Stable under recommended storage conditions.

### Materials to avoid

Strong oxidizing agents Strong oxidizing agents. Acid chlorides, Acid anhydrides.

### Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 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**

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. Causes respiratory tract irritation.

**Skin**

May be harmful if absorbed through skin. Causes skin irritation.

**Eyes**

Causes 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 RECOMMENDATIONS:****Product**

This combustible material may be burned in a chemical incinerator equipped 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. TRANSPORTATION INFORMATION:****DOT (US)**

Not dangerous goods.

**IMDG**

Not dangerous goods.

**IATA**

Not dangerous goods.

**15. REGULATORY INFORMATION:****OSHA Hazards**

Combustible Liquid, Irritant

**DSL Status**

All components of this product are on the Canadian DSL list.

**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, Acute Health Hazard

**Massachusetts Right to Know Components**

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

**Pennsylvania Right to Know Components**

(Z)-non-3-en-1-ol

CAS-No.: 10340-23-5

Revision Date: -

**New Jersey Right to Know Components**

(Z)-non-3-en-1-ol

CAS-No.: 10340-23-5

Revision Date: -

**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:**

The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond M&U's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the products improper use. No warranty expressed or implied regarding the product described herein will be created by or inferred from any statement or omission in the SDS. Various federal, state, or provincial agencies may have specific regulations concerning the transportation, handling, storage, use, or disposal of this product which may not be reflected in the SDS. The user should review these regulations to ensure full compliance.

**Prepared By:** M&U International LLC

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