

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Oleonic acid  
 Product Number : O5504  
 Brand : Aldrich  
 Company : Sigma-Aldrich Canada, Ltd  
 2149 Winston Park Drive  
 OAKVILLE ON L6H 6J8  
 CANADA  
 Telephone : +1 9058299500  
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 Emergency Phone # : 800-424-9300

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Formula : C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>  
 Molecular Weight : 456.7 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
<b>3β-Hydroxyolean-12-en-28-oic acid</b>			
508-02-1	208-081-6	-	-

## 3. HAZARDS IDENTIFICATION

## Emergency Overview

## Target Organs

Damage to the heart., Nerves., Liver

## WHMIS Classification

D2B Toxic Material Causing Other Toxic Effects Moderate skin irritant  
 Moderate respiratory irritant  
 Moderate eye irritant

## HMIS Classification

Health Hazard: 2  
 Chronic Health Hazard: \*  
 Flammability: 0  
 Physical hazards: 0

## 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.

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## 4. FIRST AID MEASURES

## 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 MEASURES

## Flammable properties

Flash point no data available  
 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

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

## Environmental precautions

Do not let product enter drains.

## Methods for cleaning up

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

## Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

## Storage

Keep container tightly closed in a dry and well-ventilated place.  
 Recommended storage temperature: 2 - 8 °C

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## 8. EXPOSURE CONTROLS/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 dust mask type N95 (US) or type P1 (EN 143) 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

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

## 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

## Appearance

Form solid

## Safety data

pH no data available  
 Melting point > 300 °C (> 572 °F) - lit.  
 Boiling point no data available  
 Flash point no data available  
 Ignition temperature no data available  
 Lower explosion limit no data available  
 Upper explosion limit no data available  
 Water solubility no data available

## 10. STABILITY AND REACTIVITY

## Storage stability

Stable under recommended storage conditions.

## Materials to avoid

Strong oxidizing agents

## Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11. TOXICOLOGICAL INFORMATION

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## Acute toxicity

LD50 Oral - rat - > 2,000 mg/kg

## 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.

## Signs and Symptoms of Exposure

Central nervous system depression, Nausea, Headache, Vomiting, narcosis, Damage to the heart.

## 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.  
**Target Organs** Damage to the heart., Nerves., Liver,

## Additional Information

RTECS: RK0177965

## 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

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)

Not dangerous goods

## IMDG

Not dangerous goods

## IATA

Not dangerous goods

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Not dangerous goods

## 15. REGULATORY INFORMATION

## DSL Status

This product contains the following components listed on the Canadian NDSL list. All other components are on the Canadian DSL list.

3β-Hydroxyolean-12-en-28-oic acid CAS-No. 508-02-1

## WHMIS Classification

D2B Toxic Material Causing Other Toxic Effects Moderate skin irritant  
 Moderate respiratory irritant  
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## 16. OTHER INFORMATION

## Further information

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