



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification 9(S)-HODE cholesteryl ester

Product Code: 38411

Product Name: 9(S)-HODE cholesteryl ester

Chemical Family: Hydroxy Fatty Acids

Synonyms

9S-hydroxy-10E,12Z-octadecadienoic acid, cholesteryl ester

Manufacturer Name and Address:

Cayman Chemical Company
1180 E. Ellsworth Rd.
Ann Arbor, MI. 48108

Cayman Chemical Company
Cayman Chemical Company
Cayman Chemical Company

Telephone Numbers: Dates:

(800)364-9897

Date Entered: 06/27/1996

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SECTION 2. Composition/Information on Ingredients 9(S)-HODE cholesteryl ester

Hazardous Components (Specific Chemical Identity/Common Name)

Name: 9(S)-HODE cholesteryl ester

CAS #: NA

Percentage: 0.01 %

OSHA PEL: No data.

ACGIH TLV: No data.

Name: Ethyl alcohol

CAS #: 64-17-5

Percentage: 99.99 %

OSHA PEL: 8H TWA:1000ppm (1900 mg/m3)

ACGIH TLV: No data.

SECTION 3. Hazards Identification 9(S)-HODE cholesteryl ester

Emergency Overview

No data available.

Route(s) of Entry: Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes , Other: Injection

Potential Health Effects (Acute and Chronic)

Exposure may cause: Dizziness, drowsiness, headache, nausea, and vomiting.

Long term repeated oral exposure to ethanol may result in the development of progressive liver injury with fibrosis.

Material is irritating to the mucous membranes and upper respiratory tract.

May be harmful by inhalation, ingestion, or skin absorption.

May cause eye, skin, or respiratory system irritation.

Repeated exposure may cause skin dryness or cracking.

Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the CNS system of the fetus, producing a collection of effects which together constitute fetal alcohol syndrome. These include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders and small size head.

The toxicological properties of this compound have not been fully evaluated.

Carcinogenicity: NTP? No , IARC Monographs? No , OSHA Regulated? No

Carcinogenicity/Other Information

No data available.

Signs and Symptoms Of Exposure

Irritating to the skin, eyes, nose, throat, and respiratory tract.

SECTION 4. First Aid Measures
9(S)-HODE cholesteryl ester

Emergency and First Aid Procedures

If inhaled remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

If swallowed, wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of contact with eyes, hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 20 minutes. Have eyes examined and tested by medical personnel.

In case of skin contact, immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Note to Physician

No data available.

Medical Conditions Generally Aggravated By Exposure

Repeated exposure to ethanol may aggravate liver injury produced from other causes.

SECTION 5. Fire Fighting Measures
9(S)-HODE cholesteryl ester

Flash Pt: 14.00 C **Method Used:** TCC

Explosive Limits: LEL: 3.3% UEL: 19%

Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray when fighting fires involving this material.

Fire Fighting Instructions

As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Note: Flammable as diluted in ethanol.

Flammable Properties and Hazards

Can release vapors that form explosive mixtures at temperatures at or above the flashpoint.

Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Flammable liquid.

Vapors can travel to a source of ignition and flash back.

Hazardous Combustion Products

carbon dioxide

carbon monoxide

SECTION 6. Accidental Release Measures
9(S)-HODE cholesteryl ester

Steps To Be Taken In Case Material Is Released Or Spilled

Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

After removal, ventilate contaminated area and flush thoroughly with water.

SECTION 7. Handling and Storage
9(S)-HODE cholesteryl ester

A clear, colorless solution

SECTION 10. Stability and Reactivity
9(S)-HODE cholesteryl ester

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

strong inorganic acids

strong oxidizing agents

Hazardous Decomposition Or Byproducts

carbon dioxide

carbon monoxide

Hazardous Polymerization: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information
9(S)-HODE cholesteryl ester

The toxicological effects of this compound have not been thoroughly studied.

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information
9(S)-HODE cholesteryl ester

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations
9(S)-HODE cholesteryl ester

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information
9(S)-HODE cholesteryl ester

DOT Proper Shipping Name

Ethyl alcohol

DOT Hazard Class: 3

DOT Hazard Label: Flammable Liquid

UN/NA Number: 1170

Additional Transport Information

Transport in accordance with local, state, and federal regulations.

SECTION 15. Regulatory Information
9(S)-HODE cholesteryl ester

Regulatory information on this product is not available.

SECTION 16. Other Information
9(S)-HODE cholesteryl ester

For research use only, not for human or veterinary clinical use.

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