



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification Leukotriene A4 methyl ester

Product Code: 73466-12-3 , **Reference #:** 20010

Product Name: Leukotriene A4 methyl ester

CAS Number: 73466-12-3

Chemical Family: Leukotriene

Synonyms

5S-trans-5,6-oxido-7E,9E,11Z,14Z-eicosatetraenoic acid, methyl ester

Manufacturer Name and Address:

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

Cayman Chemical
Company

Cayman Chemical
Company

Telephone Numbers:

(800)364-9897

(734)971-3335

Dates:

Date Entered:
06/27/1996

Revision: 09/19/2003

Printed: 09/19/2003

SECTION 2. Composition/Information on Ingredients Leukotriene A4 methyl ester

Hazardous Components (Specific Chemical Identity/Common Name)

Name: Leukotriene A4 methyl ester

CAS #: NA **Percentage:** 0.01 %

OSHA PEL: No data. **ACGIH TLV:** No data.

Name: n-Hexane {Hexyl hydride; Hexane}

CAS #: 110-54-3 **Percentage:** 98.99 %

OSHA PEL: 8H TWA:500 ppm (1800 mg/m3) **ACGIH TLV:** No data.

Name: Triethylamine {TEA; Ethanamine, N,N-diethyl; N,N-diethylethanamine}

CAS #: 121-44-8 **Percentage:** 1.0 %

OSHA PEL: 8H TWA:25 ppm (100 mg/m3) **ACGIH TLV:** No data.

SECTION 3. Hazards Identification Leukotriene A4 methyl 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)

Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical pneumonitis, and pulmonary edema.

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.

Possible risk of impaired fertility.

Repeated exposure may cause skin dryness or cracking.

Vapors may cause drowsiness and dizziness.

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.

Recommended Exposure Limits: No data available. **LD 50/LC 50:** ORL-RAT LD50:25 GM/KG

Signs and Symptoms Of Exposure

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

SECTION 4. First Aid Measures Leukotriene A4 methyl 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

No data available.

SECTION 5. Fire Fighting Measures Leukotriene A4 methyl ester

Flash Pt: No data. **Method Used:** See note below

Explosive Limits: LEL: No data. UEL: No data.

Extinguishing Media

Use alcohol-resistant foam, carbon dioxide, 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 hexane with 1% triethylamine.

Flammable Properties and Hazards

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

Container explosion may occur under fire conditions.

Emits toxic or corrosive fumes under fire conditions.

Engineering Controls (Ventilation etc.)

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

SECTION 9. Physical and Chemical Properties Leukotriene A4 methyl ester

Physical States:	<input type="checkbox"/> Gas , <input checked="" type="checkbox"/> Liquid , <input type="checkbox"/> Solid
Boiling Point:	No data.
Melting Point:	No data.
Specific Gravity (Water = 1):	No data.
Density:	No data.
Vapor Pressure (vs. Air or mm Hg):	No data.
Vapor Density (vs. Air = 1):	No data.
Evaporation Rate (vs Butyl Acetate=1):	No data.
Solubility in Water:	Insoluble* at 25.0 C
Other Solubility Notes:	*PBS, sol. in Acetone, DMF, DMSO, & EtOH
Percent Volatile:	No data.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
Molecular Formula:	C ₂₁ H ₃₂ O ₃
Molecular Weight:	332.50
pH:	No data.
Appearance and Odor	
A clear, colorless solution.	

SECTION 10. Stability and Reactivity Leukotriene A4 methyl ester

Stability: Unstable Stable

Conditions To Avoid - Instability
solutions in water

Incompatibility - Materials To Avoid
chlorine
fluorine
magnesium perchlorate
strong oxidizing agents

Hazardous Decomposition Or Byproducts
carbon dioxide
carbon monoxide
nitrogen oxides

Hazardous Polymerization: Will occur Will not occur

Conditions To Avoid - Hazardous Polymerization
No data available.

SECTION 11. Toxicological Information Leukotriene A4 methyl ester

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

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information
Leukotriene A4 methyl ester

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations
Leukotriene A4 methyl ester

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information
Leukotriene A4 methyl ester

DOT Proper Shipping Name

Hexane

DOT Hazard Class: 3

DOT Hazard Label: Flammable Liquid

UN/NA Number: 1208

Additional Transport Information

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

SECTION 15. Regulatory Information
Leukotriene A4 methyl ester

This product is subject to SARA Sec 313 reporting requirements. This product is or contains chemical(s) known to the state of California to cause cancer.

SECTION 16. Other Information
Leukotriene A4 methyl ester

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

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