



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification O-Arachidonoyl Ethanolamine (hydrochloride)

Product Code: 443129-35-9 , **Reference #:** 91050

Product Name: O-Arachidonoyl Ethanolamine (hydrochloride)

CAS Number: 443129-35-9

Chemical Family: Lipids

Synonyms

O-(2-aminoethyl)-5Z,8Z,11Z,14Z-eicosatetraenester, monohydrochloride;

O-AEA HCl;

Arachidonic Acid-(2-aminoethyl)-ester hydrochloride;

Virodhamine hydrochloride

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:

05/19/2003

Revision: 07/03/2003

Printed: 07/03/2003

SECTION 2. Composition/Information on Ingredients O-Arachidonoyl Ethanolamine (hydrochloride)

Hazardous Components (Specific Chemical Identity/Common Name)

Name: O-Arachidonoyl Ethanolamine (hydrochloride)

CAS #: 443129-35-9

Percentage: 100.0 %

OSHA PEL: No data.

ACGIH TLV: No data.

SECTION 3. Hazards Identification O-Arachidonoyl Ethanolamine (hydrochloride)

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)

Contact may cause skin or eye irritation.

Material may be 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.

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 O-Arachidonoyl Ethanolamine (hydrochloride)

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 O-Arachidonoyl Ethanolamine (hydrochloride)

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, 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.

Flammable Properties and Hazards

No data available.

Hazardous Combustion Products

No data available.

SECTION 6. Accidental Release Measures O-Arachidonoyl Ethanolamine (hydrochloride)

Steps To Be Taken In Case Material Is Released Or Spilled

Vacuum or sweep up material and place in disposal container.

Avoid raising dust.

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

Solubility in Water:	100 ug/ml* at 25.0 C
Other Solubility Notes:	*PBS, sol. in EtOH, DMF, & DMSO
Percent Volatile:	No data.
Saturated Vapor Concentration:	No data.
Viscosity:	No data.
Molecular Formula:	C22H38NO2Cl
Molecular Weight:	384.00
pH:	No data.
Appearance and Odor	
A neat oil	

SECTION 10. Stability and Reactivity **O-Arachidonoyl Ethanolamine (hydrochloride)**

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

No data available.

Hazardous Decomposition Or Byproducts

No data available.

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

Conditions To Avoid - Hazardous Polymerization

No data available.

SECTION 11. Toxicological Information **O-Arachidonoyl Ethanolamine (hydrochloride)**

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

Chronic Toxicological Effects

No data available.

SECTION 12. Ecological Information **O-Arachidonoyl Ethanolamine (hydrochloride)**

Runoff from fire control or dilution water may cause pollution.

SECTION 13. Disposal Considerations **O-Arachidonoyl Ethanolamine (hydrochloride)**

Waste Disposal Method

Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information **O-Arachidonoyl Ethanolamine (hydrochloride)**

DOT Proper Shipping Name

No data available.

Additional Transport Information

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

SECTION 15. Regulatory Information
O-Arachidonoyl Ethanolamine (hydrochloride)

Regulatory information on this product is not available.

SECTION 16. Other Information
O-Arachidonoyl Ethanolamine (hydrochloride)

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

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