



MATERIAL SAFETY DATA SHEET

SECTION 1. Chemical Product and Company Identification Dihomo-gamma.-Linolenic Acid

Product Code: 90230 , Reference #: FA

Product Name: Dihomo-gamma.-Linolenic Acid

CAS Number: 1783-84-2

Chemical Family: Fatty Acids

Synonyms

8Z,11Z,14Z-eicosatrienoic acid

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: 02/13/2002

Printed: 02/14/2002

SECTION 2. Composition/Information on Ingredients Dihomo-gamma.-Linolenic Acid

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #	Percentage
Dihomo-gamma.-Linolenic Acid	1783-84-2	10.0
Ethyl alcohol	64-17-5	90.0

SECTION 3. Hazards Identification Dihomo-gamma.-Linolenic Acid

Emergency Overview

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.

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

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

Carcinogenicity/Other Information

Signs and Symptoms Of Exposure

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

SECTION 4. First Aid Measures Dihomo-gamma.-Linolenic Acid

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.

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 15 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

Medical Conditions Generally Aggravated By Exposure

SECTION 5. Fire Fighting Measures Dihomo-gamma.-Linolenic Acid

Flash Pt: Method Used:

Explosive Limits: LEL: UEL:

Extinguishing Media

Use alcohol foam, carbon dioxide, or water 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

Container explosion may occur under fire conditions.

Emits toxic fumes under fire conditions.

Flammable Liquid.

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

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

Hazardous Combustion Products

SECTION 6. Accidental Release Measures Dihomo-gamma.-Linolenic Acid

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 Dihomo-gamma.-Linolenic Acid

Hazard Label Information:

Avoid contact with skin and eyes. Do not reuse this container.

Use with adequate ventilation. Wash thoroughly after handling.

Precautions To Be Taken in Handling

Avoid contact with eyes, skin, and clothing.

Do not reuse this container.

Use with adequate ventilation.

Wash thoroughly after handling.

Precautions To Be Taken in Storing

Store at correct temperature.

Other Precautions**Work/Hygienic/Maintenance Practices**

Do not take internally.

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Wash thoroughly after handling.

SECTION 8. Exposure Controls/Personal Protection **Dihomo- γ -Linolenic Acid**

Protective Equipment Summary - Hazard Label Information

Eye wash station in work area Lab coat

Latex disposable gloves

Safety glasses

Safety shower in work area Vent Hood

Respiratory Equipment (Specify Type)**Eye Protection**

Safety glasses

Protective Gloves

Latex disposable gloves

Other Protective Clothing

Engineering Controls (Ventilation etc.)

Good general ventilation should be sufficient to control airborne levels.

SECTION 9. Physical and Chemical Properties **Dihomo- γ -Linolenic Acid**

Physical States: Gas , Liquid , Solid

Boiling Point: NE or NA

Melting Point:

Specific Gravity (Water = 1): NE or NA

Vapor Pressure (vs. Air or mm Hg): NE or NA

Vapor Density (vs. Air = 1): NE or NA

Evaporation Rate (vs Butyl Acetate=1): NE or NA

Solubility in Water: *100ug/ml

Other Solubility Notes: *PBS pH 7.2, sol. in DMF, DMSO, & EtOH

Percent Volatile: NE or NA

Molecular Formula: C₂₀H₃₄O₂

Molecular Weight: 306.50

pH:

Appearance and Odor

A clear, colorless solution with a fish-like odor

SECTION 10. Stability and Reactivity **Dihomo- γ -Linolenic Acid**

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability

Incompatibility - Materials To Avoid

Hazardous Decomposition Or Byproducts

Hazardous Polymerization: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Polymerization

SECTION 11. Toxicological Information Dihomo-gamma.-Linolenic Acid

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

SECTION 12. Ecological Information Dihomo-gamma.-Linolenic Acid

Data not yet available.

SECTION 13. Disposal Considerations Dihomo-gamma.-Linolenic Acid

Waste Disposal Method
Dispose in accordance with local, state and federal regulations.

SECTION 14. Transport Information Dihomo-gamma.-Linolenic Acid

DOT Proper Shipping Name

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

SECTION 15. Regulatory Information Dihomo-gamma.-Linolenic Acid

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any guarantee with regard to the product's properties.

SECTION 16. Other Information

Dihomo-gamma.-Linolenic Acid

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

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