



MATERIAL SAFETY DATA SHEET

This form complies with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label and List): **Arachidonic Acid (peroxide free)**

SECTION I - Product Identification Arachidonic Acid (peroxide free)

Manufacturer Name and Address:	Telephone #s:	Dates:
Cayman Chemical Company	(800)364-9897	Date Entered: 06/27/1996
1180 E. Ellsworth Rd.		Last Revision: 04/07/2000
Ann Arbor, MI. 48108	(734)971-3335	MSDS Printed: 04/10/2000

Synonyms:
5Z,8Z,11Z,14Z-eicosatetraenoic acid
Chemical Family: Fatty Acids
Hazard Label: Health: 2
Molecular Formula: C₂₀H₃₂O₂ Flammability: 2 , Molecular Weight: 304.50 Reactivity: 0

SECTION II - Hazardous Ingredients/Identity Information Arachidonic Acid (peroxide free)

Hazardous Components (Specific Chemical Identity/Common Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Percentage
Arachidonic acid	506-32-1				100.0

SECTION III - Physical/Chemical Characteristics Arachidonic Acid (peroxide free)

Boiling Point: NE or NA Specific Gravity (Water = 1): NE or NA Melting Point: NE or NA Vapor Pressure (mm Hg): . . . NE or NA
Vapor Density (Air=1): . . . NE or NA Physical States: [] Gas Evaporation Rate: NE or NA [X] Liquid (Butyl Acetate=1) []
Solid Solubility In Water: >1.7 mg/ml* at 25.0 C *0.1 M Na₂CO₃, sol. in EtOH, DMSO & DMF Percent Volatile: NE or NA
Appearance and Odor:
A clear, colorless solution with a fish-like odor.

SECTION IV - Fire and Explosion Hazard Data Arachidonic Acid (peroxide free)

Flash Pt: NE or NA Method Used: See note below

Explosive Limits: LEL: UEL:

Autoignition Pt: NE or NA Extinguishing Media:

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

Special Fire Fighting Procedures:

Note: Flammable as diluted in ethanol with 0.1% BHT.

Unusual Fire and Explosion Hazards:

SECTION V - Reactivity Data Arachidonic Acid (peroxide free)

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability:

Incompatibility - Materials To Avoid:

Hazardous Decomposition Or Byproducts:

carbon monoxide

carbon dioxide

irritating and toxic fumes and gases

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

Conditions To Avoid - Hazardous Polymerization:

SECTION VI - Health Hazard Data Arachidonic Acid (peroxide free)

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

Health Hazards (Acute and Chronic):

Contact may cause skin or eye irritation. The toxicological properties of this compound have not been fully evaluated.

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

Carcinogenicity/Other Information:

Recommended Exposure Limits: LD 50/LC 50:

Signs and Symptoms Of Exposure:

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

Medical Conditions Generally Aggravated By Exposure:

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.

SECTION VII - Precautions for Safe Handling and Use Arachidonic Acid (peroxide free)

Steps To Be Taken In Case Material Is Released Or Spilled:

