



MATERIAL SAFETY DATA SHEET

Trade Name: Plasticizer™

Revision Date: 1/8/07

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Plasticizer™
Chemical Family: Mixture
Product Use: Plasticizer
Emergency Telephone (24 hr.): (ChemTrec) 800-424-9300
Supplied by: MASI Technologies, LLC
P.O. Box 81127
Lafayette, LA 70598-1127
Tel. No. (866) 494-5444
www.masitech.com

Revision Number: 3

HMIS Rating
Health: 1 Flammability: 1 Physical Hazard: 0 PPE: E

HMIS Key: 4=Severe, 3=Serious, 2=Moderate, 1=Slight, 0=Minimal Hazard. *Chronic effects - See Section 11. See Section 8 for Personal Protective Equipment recommendations.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Wt. %	Ingredient Comments:
Fatty acid blend		10 - 30	No comments.
Oleic acid	112-80-1	60 - 100	No comments.
Linoleic acid	60-33-3	10 - 30	No comments.

3. HAZARDS IDENTIFICATION

Emergency Overview: Occupational exposure not expected to present a health or physical hazard. Prolonged exposure, however, may cause eye, skin and respiratory irritation.

Canadian WHMIS: Not regulated
UN PIN No: Not regulated

WHMIS Class: Not a controlled product

Physical State: Liquid

Odor: Fatty Acid

Color: Yellow

Potential Health Effects:

Acute Effects

Eye Contact:

Skin Contact:

Inhalation:

Ingestion:

Not expected to irritate eyes. Prolonged contact, however, may cause irritation.
Not expected to irritate skin. Prolonged contact, however, may cause irritation.
Not expected to be an inhalation hazard. Prolonged inhalation of vapors or mists, however, may cause irritation.
May cause gastric distress, nausea and vomiting if ingested. Aspiration can be a hazard if this material is swallowed.

Carcinogenicity & Chronic Effects: IARC: Not Listed; OSHA: Not regulated; NTP: Not listed. See Section 11 Toxicological Information.

Routes of Exposure: Eyes. Dermal (skin) contact. Inhalation.

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**Target Organs/ Medical Conditions
Aggravated by Overexposure:**

None expected from occupational exposure.

4. FIRST AID MEASURES

Eye Contact:	Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Skin Contact:	Wash skin thoroughly with soap and water. Remove contaminated clothing and laundry before reuse. Get medical attention if any discomfort continues.
Inhalation:	Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Do not induce vomiting. Dilute with 2-3 glasses of water or milk, if conscious. Never give anything by mouth to an unconscious person. If signs of irritation or toxicity occur, seek medical attention.
General Notes:	Persons seeking medical attention should carry a copy of this MSDS with them.
Notes to Physician:	Aspiration may cause severe lung damage. Evacuate stomach in a way which avoids aspiration.

5. FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: F (C):	363F (184C)
Flash Point Method:	COC
Flammable Limits in Air - Lower (%):	ND
Flammable Limits in Air - Upper (%):	ND
Auto Ignition Temperature: F(C)	ND
Flammability Class:	IIIA
Other Flammable Properties:	Rags and other materials soaked with product may heat and ignite if exposed to air. Store wiping rags and similar material in metal cans with tight fitting lids.
Extinguishing Media:	Water fog, carbon dioxide, foam, dry chemical

Protection of Fire-Fighters

Special Fire-Fighting Procedures:	Do not enter fire area without proper personal protective equipment, including NIOSH/MSHA approved self-contained breathing apparatus. Evacuate area and fight fire from a safe distance. Water spray may be used to keep fire-exposed containers cool. Keep water run off out of sewers and waterways.
Hazardous Combustion Products:	Oxides of: Carbon.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment identified in Section 8.
Spill Procedures:	Evacuate surrounding area, if necessary. Keep personnel removed and upwind spill. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Shut off leak if it can be done safely. Contain spilled material. Absorb in vermiculite, dry sand or earth. Place into containers for disposal.
Environmental Precautions:	Do not allow to enter sewer or surface and subsurface waters. Waste must be disposed of in accordance with federal, state and local laws. In the U.S., for products with reportable quantity (RQ) components – if the RQ is exceeded, report to National Spill Response Office at 1 800 424 8802.

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7. HANDLING AND STORAGE

Handling: Put on appropriate personal protective equipment. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists. Use only in a well ventilated area. Wash thoroughly after handling.

Storage: Store in dry, well-ventilated area. Keep container closed. Keep away from heat. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits (TLV & PEL - 8H TWA):

Ingredient	CAS No.	Wt. %	ACGIH TLV	OSHA PEL	Other	Notes
Fatty acid blend		10 – 30	NA	NA	NA	None
Oleic acid	112-80-1	60 – 100	NA	NA	NA	None
Linoleic acid	60-33-3	10 – 30	NA	NA	NA	None

Engineering Controls: Local exhaust ventilation as necessary to maintain exposures to within applicable limits.

Personal Protection Equipment

Eye/Face Protection: Wear chemical safety goggles.

Skin Protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Wear chemical resistant gloves such as nitrile or neoprene.

Respiratory Protection: If exposed to particulates/aerosols:
Use at least a NIOSH-approved N95 half-mask disposable particulate respirator. In work environments containing oil mist/aerosol, use at least a NIOSH-approved P95 half-mask disposable or reusable particulate respirator.
If exposed to organic vapors:
Use a NIOSH-approved organic vapor respirator. CCROV: CCR with organic vapor cartridge.

Refer to Exposure Limits table (Section 8) for component specific respiratory protection recommendations.

General Hygiene Considerations: Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded, if contaminated with product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color: Yellow
Odor: Fatty Acid
Physical State: Liquid
pH: ND
Vapor Pressure: 10 mm Hg at 435F (224C)
Vapor Density (Air=1): ND
Flash Point: F (C): 363F (184C)
Boiling Point: 547F (286C)
Melting/Freezing Point: 57F (14C)
Solubility (Water): Insoluble
Specific Gravity (H₂O = 1): 0.891 at 68F (20C)
Evaporation Rate: ND
Odor Threshold(s): ND

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to Avoid: Keep away from heat, sparks and flame.
Materials to Avoid: Contact with oxidizing agents. Strong alkalies.
Hazardous Decomposition Products: For thermal decomposition products, see Section 5.
Hazardous Polymerization: Will not occur

11. TOXICOLOGICAL INFORMATION

Component Toxicological Data:

Ingredient	CAS No.	Acute Data
Oleic acid	112-80-1	Oral LC50: 25 g/kg (rat)
Linoleic acid	60-33-3	Oral LC50: >50 g/kg (mouse)

Product Toxicological Information: No toxicological data is available for this product.

12. TOXICOLOGICAL INFORMATION

Product Ecotoxicity Data: Contact MASI's Environmental Affairs Department for available product ecotoxicity data.
Biodegradation: ND
Bioaccumulation: ND
Octanol/Water Partition Coefficient: ND

13. DISPOSAL CONSIDERATIONS

Waste Classification: ND
Waste Management: Under U.S. Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of disposal, whether the product meets RCRA criteria for the hazardous waste. This is because product uses, transformations, mixtures, processes, etc., may render the resulting materials hazardous. Empty containers contain residues. All labeled precautions must be observed.
Disposal Method: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that the containers are empty by the RCRA criteria prior to disposal in a permitted industrial landfill.

14. TRANSPORT INFORMATION

U.S. DOT
Shipping Description: Not regulated for transportation by DOT, TDG, IMDG, ICAO/IATA.
TDG (Canada):
Shipping Description: Not regulated
UN PIN No: Not regulated
IMDG
Shipping Description: Not regulated
ICAO/IATA
Shipping Description: Not regulated.

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15. REGULATORY INFORMATION

U.S. Federal and State Regulations

SARA 311/312 Hazard Categories: Not a SARA 311/312 hazard

SARA 302/304, 313; CERCLA RQ, California Proposition 65: Note: If no components are listed below, this product is not subject to the referenced SARA and CERCLA regulations and is not known to contain a Proposition 65 listed chemical at a level that is expected to pose a significant risk under anticipated use conditions.

International Chemical Inventories

Australia AICS - Components are listed or exempt from listing.
Canada DSL - Components are listed or exempt from listing.
European EINECS - Components are listed or exempt from listing.
U.S. TSCA - Components are listed or exempt from listing.
U.S. TSCA - No components are subject to TSCA 12(b) export notification requirements.

Canadian WHMIS:

Controlled Products Regulations Statement: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Class: Not a controlled product

16. OTHER INFORMATION

The following sections have been revised: Section 1

NA - Not Applicable, ND - Not Determined.

Disclaimer:

MSDS furnished independent of product sale. While every effort has been made to accurately describe this product, some of the data are obtained from sources beyond our direct supervision. We can not make any assertions as to its reliability or completeness; therefore, user may rely on it only at user's risk. We have made no effort to censor or conceal deleterious aspects of this product. Since we cannot anticipate or control the conditions under which this information and product may be used, we make no guarantee that the precautions we have suggested will be adequate for all individuals and/or situations. It is the obligation of each user of this product to comply with the requirements of all applicable laws regarding use and disposal of this product. Additional information will be furnished upon request to assist the user; however, no warranty, either expressed or implied, nor liability of any nature with respect to this product or to the data herein is made or incurred hereunder.