



ACME
HARDESTY
OLIOCHEMICALS

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Material Safety Data Sheet

PRODUCT NAME: HYDROGENATED MARINE FATTY ACID

IDENTIFICATION AND DISTRIBUTOR INFORMATION

TRADE NAME: HYDROGENATED MARINE FATTY ACID
CAS #: 68424-37-3
DATE: March 29, 2008

DISTRIBUTOR: ACME-HARDESTY COMPANY
ADDRESS: 450 Sentry Parkway
Blue Bell, PA 19422

TELEPHONE: (866) 226 – 3834
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EMERGENCY: CHEMTREC (800) 424-9300

COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:	CAS#	OSHA PEL
CHEMICAL NAME: Saturated Straight Chain Aliphatic Monocarboxylic	68424-37-3	Not Listed

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

GENERAL: Limited toxicity data is available on this specific product; this health hazard assessment is based on the results of screening tests.

EMERGENCY OVERVIEW:
Appearance: White Solid; Faint Odor
EXCESSIVE INHALATION EXPOSURE MAY CAUSE IRRITATION OF RESPIRATORY PASSAGES. MAY BE HARMFUL IF SWALLOWED. MAY FORM EXPLOSIVE DUST CLOUDS IN AIR.

ROUTES OF EXPOSURE: Eye contact; Skin contact; Inhalation

SYMPTOMS OF OVEREXPOSURE (ACUTE AND CHRONIC):

EYE CONTACT: No irritation is likely to develop following contact with human eyes.

SKIN CONTACT: No irritation is likely to develop following contact with human skin. This product will probably not be absorbed through human skin.

INHALATION: High concentrations of dusts or particulates may irritate respiratory passages. No toxic effects are known to be associated with inhalation of this material.

INGESTION: This material not likely to cause irritation upon ingestion. This material may be harmful if swallowed.

FIRST AID MEASURES

EYES: Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

SKIN: Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

INHALATION: Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

FIRE & EXPLOSION HAZARD DATA

FLASH POINT (method): 365°F, 180°C (COC)

AUTOIGNITION TEMP: 662°F, 350°C

FLAMMABLE LIMITS: No data.

EXTINGUISHING MEDIA: Water fog, alcohol foam, carbon dioxide, dry chemical, halogenated agents

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full face piece and protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: This product may form explosive dust clouds in the air.

EXPLOSION DATA:

Sensitivity to mechanical impact: No data.

Sensitivity to static discharge: No data.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waster container.

Wash residue from spill area with water containing detergent and flush to a sewer serviced by a permitted waster water treatment facility.

HANDLING AND STORAGE

STORAGE REQUIREMENTS: 50-90°F in original closed container.

PRECAUTIONS TO TAKE DURING HANDLING AND STORAGE:

Follow procedure specified in National Fire Protection Association Codes & Standards for handling combustible dusts.

Maintain good housekeeping to avoid dust buildup.

Avoid breathing this material.

Do not swallow.

Normal chemical handling and storage.

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: No ACGIH TLV or OSHA PEL assigned.
Minimize exposure in accordance with good hygiene practice.

ENGINEERING CONTROLS: Use ventilation adequate to maintain safe levels.

EYE PROTECTION: Safety glasses with side shields.

PROTECTIVE CLOTHING: Impervious (resistant) gloves.

RESPIRATORY PROTECTION: Not normally needed if controls are adequate.

OTHER PROTECTIVE EQUIPMENT: Eyewash and safety shower easily accessible to the work area.

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
INCOMPATIBILITY: Oxidizing agents.
CONDITIONS TO AVOID: None known
HAZARDOUS POLYMERIZATION: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion Products: Carbon dioxide, carbon monoxide

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR: White solid; Faint odor
ODOR THRESHOLD: No data
BOILING POINT: 392°F, 200°C
MELTING POINT: 140°F, 60°C
VAPOR PRESSURE (mm Hg@ 20°C): <0.1 hPa
VAPOR DENSITY (air=1): No data
SOLUBILITY IN WATER: Insoluble
pH: No data
SPECIFIC GRAVITY: No data
CLOUD POINT: No data
% VOLATILE BY VOLUME: No data
VISCOSITY: No data
PARTITION COEFFICIENT: >3 (estimated)
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data
FREEZING POINT: 140°F, 60°C

TOXICOLOGICAL INFORMATION

The toxicity data listed below are based on the results of screening tests on this specific product.

EYE CONTACT: This material is nonirritating in rabbit eye irritation studies; no irritation is likely to occur after human eye contact.
SKIN CONTACT: This material is nonirritating in rabbit dermal irritation studies.
No irritation is likely to develop following contact with human skin.
This material was not a skin sensitizer in animal testing.
The potential is low for developing sensitization following contact with human skin.
ACUTE ORAL TOXICITY: This material is classified as "slightly toxic" by ingestion.
CARCINOGENICITY: This material is not listed as a carcinogen by OSHA, IARC & NTP.
REPRODUCTIVE TOXICITY/TERATOGENICITY: No available information.
MUTAGENICITY: No available information
TOXICOLOGICALLY SYNERGISTIC PRODUCTS: None known.

ECOLOGICAL INFORMATION

The ecological information listed below is based on the results of screening tests.

PERSISTENCE AND DEGRADATION: This product is readily biodegradable (according to the modified Sturm test)
TOXICITY: Not harmful to aquatic organisms.

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Discarded product is not a hazardous waster under RCRA, 40 CFR 261

CONTAINER DISPOSAL: Empty container retains product residue. Observe all hazard precautions.
Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product.
Remove all product residues from container and puncture or otherwise destroy empty container before disposal.

TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION: Not regulated

TRANSPORTATION OF DANGEROUS GOODS (TDG): Not regulated

REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Regulations, 40 CFR 710:
All ingredients are on the TSCA Chemical Substance Inventory

DSL (Canadian Domestic Substances List):
All ingredients are listed on the Canadian DSL

OSHA Hazard Communication Standard, 29 CFR 1910.1200, Hazard Summary:
Physical Hazards: None
Health Hazards: None

WHMIS Classification:
Non-controlled (Non-hazardous)

CERCLA and SARA Regulations (40 CFR 355, 370, and 372):
This material contains the following chemicals subject to the reporting requirements of SARA 313:
NO SARA 313 CHEMICALS FOR THIS CHEMICAL

SARA 311/312 Hazard Categories:
Immediate: YES
Delayed: NO
Fire: YES
Pressure: NO
Reactivity: NO

OTHER INFORMATION

We assigned NFPA ratings and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment is provided with information contained in the product MSDS.

HMIS Information:
Health: 1
Flammability: 1
Reactivity: 0

NFPA Information
Health: 1
Flammability: 1
Reactivity: 0