

FISHER SCIENTIFIC, CHEMICAL DIV. -- STEARIC ACID -- 6810-00-664-3637

===== Product Identification =====

Product ID:STEARIC ACID

MSDS Date:04/23/1993

FSC:6810

NIIN:00-664-3637

MSDS Number: BTKRJ

=== Responsible Party ===

Company Name:FISHER SCIENTIFIC, CHEMICAL DIV.

Address:1 REAGENT LANE

City:FAIR LAWN

State:NJ

ZIP:07410

Country:US

Info Phone Num:201-796-7100 OR 201-796-7523

Emergency Phone Num:2

01-796-7100/800-424-9300(CHEMTREC)

CAGE:1B464

=== Contractor Identification ===

Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

Address:1 REAGENT LANE

Box:City:FAIRLAWN

State:NJ

ZIP:07410-2802

Country:US

Phone:201-796-7100

CAGE:1B464

Company Name:SHAPE PRODUCTS

Address:1127 57TH AVE.

Box:City:OAKLAND

State:CA

ZIP:94621-4427

Country:US

Phone:510-534-1186 OR 800-444-0015

CAGE:3D869

===== Composition/Information on Ingredients =====

Ingred Name:STEARIC ACID

CAS:57-11-4

RTEC

S #:WI2800000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED

=====
===== Hazards Identification =====

LD50 LC50 Mixture:LD50 (ORAL, RAT) >5000 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE-EYES/SKIN: MAY CAUSE IRRITATION.

INHALATION: MAY CAUSE IRRITATION TO THE MUCOUS MEMBRANES, COUGHING & SORE THROAT. INGESION: LARGE DOSES MAY CAUSE NAUSEA,VOMITING & DIARRHEA.

Effects of Overexposure:IRRITATION OF THE NOSE AND THROAT, COUGHING OR DIFFICULTY IN BREATHING. INGESTION OF LARGE AMOUNTS MAY RESULT IN INTESTINAL OBSTRUCTION.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

=====
===== First Aid Measures =====

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND SHOES. GET MEDICAL ATTENTION I

MMEDIATELY. INHALATION: REMOVE TO

FRESH AIR. G ET MEDICAL ATTENTION IMMEDIATELY. INGESTION: GET MEDICAL ATTENTION IMMEDIATELY.

=====
===== Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:385F,196C

Autoignition Temp:Autoignition Temp Text:743F

Extinguishing Media:CARBON DIOXIDE, REGULAR FOAM, WATER SPRAY OR DRY CHEMICAL.

Fire Fighting Procedures:NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING VAPORS OR DUST. KEEP UP WIND.

Unusual Fire/Explosion Hazard:SLIGHT FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

=====
===== Accidental Release Measures =====

Spill Release Procedures:NO SPECIAL PRECAUTIONS INDICATED.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

=====
===== Handling and Storage =====

Handling and Storage Precautions:STORAGE-STORE IN A COOL, DRY, VENTILATED AREA AWAY FROM OXIDIZING MATERIALS. KEEP CONTAINER TIGHTLY CLOSED.

Oth

er Precautions:GRADES OF STEARIC ACID CONTAINING UNSATURATED FATTY ACIDS MAY UNDERGO SPONTANEOUS HEAT GENERATION BY OXIDATION IN AIR.

=====
===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF THE TLV IS EXCEEDED, A NIOSH APPROVED DUST/MIST RESPIRATOR MAY BE WORN UP TO TEN TIMES THE TLV. CONSULT RESPIRATOR SUPPLIER FOR DETAILS.

Ventilation:LOCAL EXHAUST VENTILATION IS RECOMMENDED.

Protective Gloves:RUBBER OR PLASTIC

Eye Protection:DUST-RESISTANT SAFETY GOGGLES

Other Protective Equipment:EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA

Work Hygienic Practices:WASH HANDS AFTER USING THIS MATERIAL.

Supplemental Safety and Health
NONE

=====
===== Physical/Chemical Properties =====

HCC:N1

Boiling Pt:B.P. Text:726F,386C

Melt/Freeze Pt:M.P/F.P Text:157F,69C

Vapor Pres:1 @ 173C

Vapor Density:9.8

Spec Gravity:0.8

Solubility in Water:NEGLIGIBLE

Appearance and Odor:HARD, WHITE TO FAINTLY YELLOW, GLOSSY CRYSTALLINE

SOLID, TALLOW-LIKE ODOR.

=====
===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZERS.

Stability Condition to Avoid:STABLE UNDER NORMAL TEMPERATURES AND PRESSURES.

Hazardous Decomposition Products:INCLUDE TOXIC OXIDES OF CARBON

=====
===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IN CONFORMITY WITH LOCAL, STATE AND FEDERAL REGULATIONS.

Disclaimer (provided with

h this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.