

WARD'S NATURAL SCIENCE ESTABLISHMENT INC. -- STEARIC ACID,39-3278 -- 6810-00-664-3637  
===== Product Identification =====

Product ID:STEARIC ACID,39-3278  
MSDS Date:01/22/1993  
FSC:6810  
NIIN:00-664-3637  
MSDS Number: CDYFX  
=== Responsible Party ===  
Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.  
Box:92912  
City:ROCHESTER  
State:NY  
ZIP:14692-9012  
Country:US  
Info Phone Num:716-359-2502  
Emergency Ph  
one Num:716-226-6177/800-424-9300(CHEMTREC)  
Preparer's Name:ALEXANDER A. PICCIRILLI  
CAGE:EO227  
=== Contractor Identification ===  
Company Name:WARD'S NATURAL SCIENCE ESTABLISHMENT INC.  
Box:92912  
City:ROCHESTER  
State:NY  
ZIP:14692-9012  
Country:US  
Phone:716-359-2502  
CAGE:EO227  
Company Name:WARDS NATURAL SCIENCE ESTABLISHMENT INC  
Address:5100 W HENRIETTA RD  
Box:92912  
City:ROCHESTER  
State:NY  
ZIP:14692-9012  
Country:US  
Phone:(716) 359-2502  
CAGE:63759

===== Composition/Information on Ingredient

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Ingred Name:STEARIC ACID  
CAS:57-11-4  
RTECS #:W12800000  
Fraction by Wt: 100%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY  
AND GASTROINTESTINAL TRACTS. ACUTE- MAY CAUSE EYE, SKIN,  
RESPIRATORY  
AND GASTROINTESTINAL TRACTS IRRITATION. INGESTION MAY  
RESULT IN INTESTINAL OBSTRUCTION. CHRONI C- UNKNOWN.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:IRRITATION, NAUSEA, VOMITING, DIARRHEA,  
DIFFICULTY BREATHING  
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN  
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE  
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

Firs  
t Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH  
AIR. EYES:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN.  
SKIN:FLUSH WITH WATER, THEN WASH SKIN WITH SOAP & WATER. ORAL:SEEK  
IMMEDIATE MEDICAL ATTENTION. IF VOMITING OCCURS,KEEP HEAD BELOW  
HIPS. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Flash Point:NONE  
Lower Limits:NOT RELEVANT  
Upper Limits:NOT RELEVANT  
Extinguishing Media:

CARBON DIOXIDE (CO2), FOAM OR DRY CHEMICAL (ABC).

USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Unusual Fire/Explosion Hazard:POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. RECOVER FOR USE IF NO

T CONTAMINATED. CAREFULLY SWEEP UP SPILL. AVOID CREATING DUST.

PLACE IN APPROPRIATE CONTAINER FOR DISPOSAL. VENTILATE AREA AND WASH SPILL SITE.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE AWAY FROM INCOMPATIBLE MATERIALS. KEEP CONTAINER TIGHTLY CLOSED. USE IN VENTILATED AREA.

Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF DUSTS

. KEEP OUT OF REACH OF CHILDREN. FOR LABORATORY

USE ONLY. NOT FOR DRUG, FOOD/HOUSEHOLD USE. USE WITH ADEQUATE VENTILATION.

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

Respiratory Protection:NONE NEEDED IN NORMAL LABORATORY HANDLING. IF DUSTY SITUATIONS PREVAIL, WORK IN VENTILATION HOOD OR WEAR NIOSH-APPROVED DUST RESPIRATOR OR MASK.

Ventilation:USE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP DUST LEVELS AS LOW AS POSSIBLE.

Protective Gloves:BUTYL RU

BBER IF SENSITIVE

Eye Protection:SAFETY GLASSES/GOGGLES

Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, PROTECTIVE CLOTHING AND/OR UNIFORM

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:721F,383C

Melt/Freeze Pt:M.P/F.

P Text:156F,69C  
Spec Gravity:0.847  
Viscosity:NOT RELEVANT  
Evaporation Rate & Reference:NOT RELEVANT  
Solubility in Water:VERY SLIGHT  
Appearance and Odor:WHITE FLAKES, CRUSHED FLAKES OR GRANULES

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS SUCH AS HYDROGEN PEROXIDE, BROMINE AND CHROMIC  
ACID  
Stability Condition to Avoid:EXCESSIVE HEAT  
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
SMOKE

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

Waste Disposal Methods:DISCHARGE, TREATMENT OR DISPOSAL MAY BE SUBJECT  
TO FEDERAL, STATE OR LOCAL REGULATIONS. INCINERATION IS  
RECOMMENDED.

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