

MATERIAL SAFETY DATA SHEET

SODIUM STEARATE

The Chemistry Store.Com Inc
520 NE 26 Ct
Pompano Beach, FL 33064

EMERGENCY PHONE NUMBERS
BUSINESS HRS: 954-942-7813
CHEMTREC: 800-424-9300

I. PRODUCT IDENTIFICATION:

PRODUCT NAME.....: Sodium Stearate

CHEMICAL FAMILY.....:
Sodium Salt of Stearic Acid

CHEMICAL NAME.....: Sodium Stearate

CAS NUMBER.....: 822-16-2

FORMULA.....: $\text{NaC}_{18}\text{H}_{35}\text{O}_2$

II. HAZARDOUS INGREDIENTS:

INGREDIENT NAME
Sodium Stearate

CAS 822-16-2

EXPOSURE LIMITS
OSHA: Not Established
ACGIH: Not Established

CONCENTRATION (%)
Essentially 100 %

III. PHYSICAL PROPERTIES:

PHYSICAL FORM.....: Solid Powder

COLOR.....:
Cream to white fatty powder

ODOR.....: Tallow like

MOLECULAR WEIGHT.....: 306.46

pH.....: pH of a 5% aqueous solution is 10.7

BOILING POINT.....: Not Applicable

MELTING/FREEZING POINT.....: 205°C

VISCOSITY.....: Not Applicable

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: Not Established

BULK DENSITY.....: Not Established

VAPOR PRESSURE: Not Volatile

VAPOR DENSITY: Not Applicable (Air = 1)

IV. FIRE AND EXPLOSION DATA:

FLASH POINT.....: Not Applicable.

AUTO-IGNITION TEMPERATURE.....: Not Established

EXTINGUISHING MEDIA.....:
Water Spray, Foam, Carbon Dioxide or
Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES:
Burning will produce toxic fumes. Wear
Self-contained breathing apparatus and full
Turnout gear to fight fires.

UNUSUAL FIRE / EXPLOSION HAZARDS:
Concentrated dust may present an explosion
Hazard.

V. HUMAN HEALTH DATA:

ROUTE(S) OF ENTRY.....: Eye Contact;
Skin Contact; Inhalation; Ingestion

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.....:
Inhalation may irritate the respiratory tract.
Symptoms may include coughing, shortness of
breath, sore throat and runny nose. If
sufficient amounts are inhaled and absorbed,
symptoms may resemble those in acute
ingestion.

ACUTE SKIN CONTACT.....:
Skin contact may cause irritation with
symptoms of redness, swelling, itching
and pain.

ACUTE EYE CONTACT.....:
Eye contact may cause irritation with
symptoms of redness, swelling, itching,
tearing and pain.

ACUTE INGESTION.....:
Ingestion may cause gastroenteritis
(inflammation of the lining membrane of the
stomach and intestines) with abdominal pain,
nausea, vomiting and diarrhea. Systemic
effects may follow and may include ringing of
the ears, dizziness, elevated blood pressure,
blurred vision and tremors.

CHRONIC EFFECTS OF EXPOSURE...:

CARCINOGENICITY.....:
This product is not listed by NTP, IARC or
regulated as a carcinogen by OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE...:

Persons with preexisting eye or skin
conditions or impaired pulmonary function may
be more susceptible to the effects of this
product.

VI. EMERGENCY AND FIRST AID PROCEDURES:

FIRST AID FOR EYES.....: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

FIRST AID FOR SKIN.....: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

FIRST AID FOR INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

FIRST AID FOR INGESTION.: If swallowed, call a physician immediately.

VII. EMPLOYEE PROTECTION RECOMMENDATIONS:

EYE PROTECTION REQUIREMENTS.....: Safety glasses or goggles.

SKIN PROTECTION REQUIREMENTS.....: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

RESPIRATOR REQUIREMENTS.....: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

VENTILATION REQUIREMENTS.....: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

ADDITIONAL PROTECTIVE MEASURES.....: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

VIII. REACTIVITY DATA:

STABILITY.....:

Stable under ordinary conditions of use and storage.

HAZARDOUS POLYMERIZATION...: Will not occur.

INCOMPATIBILITIES.....: Strong Oxidizers

INSTABILITY CONDITIONS.....:

Excessive temperatures
(see INCOMPATIBILITIES).

DECOMPOSITION PRODUCTS.....:

Sodium Oxide, Carbon Dioxide,
Carbon Monoxide

IX. SPILL AND LEAK PROCEDURES:

SPILL OR LEAK PROCEDURES.....:

Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

WASTE DISPOSAL METHOD.....:

Waste disposal should be in accordance with existing federal, state and local environmental regulations.

STORAGE TEMPERATURE (MIN/MAX): Ambient/Ambient.

SHELF LIFE.....: Unlimited in tightly closed container.

SPECIAL SENSITIVITY.....: None

HANDLING/STORAGE PRECAUTIONS:

Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section VIII). Reseal containers immediately after use. Store away from food and beverages.

Contact Hummel Croton for current shipping Information

XII. TOXICITY DATA:

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated for Sodium Stearate.

Information for Stearic acid is as follows:

STEARIC ACID

IRRITATION DATA

SKN-HMN 75 MG/3D-I MLD
85DKA8 -,127,77

SKN-RBT 500 MG/24H MOD
FCTXAV 17,383,79

TOXICITY DATA

IVN-RAT LD50:21500 UG/KG
APTOA6 18,141,61

IVN-MUS LD50:23 MG/KG
APTOA6 18,141,61

SKN-RBT LD50:>5 GM/KG
FCTXAV 17,383,79

TARGET ORGAN DATA

Behavioral (convulsions or effect on seizure threshold) lungs, thorax or respiration (other changes) kidney, ureter, bladder (bladder tumors) tumorigenic (equivocal tumorigenic agent by rtecs criteria)only selected registry of toxic effects of chemical substances(RTECS) data is presented here. See actual entry in RTECS for complete information.

XIII. REGULATORY INFORMATION:

OSHA STATUS.....:

This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS.....:

On TSCA Inventory

RCRA STATUS.....:

If discarded in its purchased form, this product would not be hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

(40 CFR 261.20-24)