Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
www.HummelCroton.com
Phone: 908-754-1800
Fax: 908-754-1815

In Case Of Emergency Call Chemtrec®
(U.S.) (800) 424-9300
(International) (703) 527-3887

Stearic Acid
Safety Data Sheet

1. Product and Company

Product name:	Stearic Acid
Synonym:	Octadecanonic Acid, Promulsin, Prociscol Wax
CAS-No.:	57-11-4
Company:	Hummel Croton Inc. 10 Harmich Rd. South Plainfield, NJ 07080
Telephone:	908-754-1800
Fax:	908-754-1815

HMIS Rating	
Health	1
Flammabilitiy	1
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #:	Chemtrec US: 800-424-9300 Chemtrec International: 703-527-3887

2. Hazards

GHS Classification Not a hazardous substance or mixture

GHS Label elements

Pictogram(s) Not a hazardous substance or mixture

Signal word Not a hazardous substance or mixture

Hazard statement(s)

None

Precautionary statement(s)

None

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. Composition/Ingredients

Substance
Formula: $C_{18}H_{36}O_2$
Molecular weight: 284.47 g/mol
CAS-No.: 57-11-4

Material	CAS	%	OSHA	ACGIH
Stearic Acid	57-11-4	100%	15 mg/m^3 as Nuisance Dust	15 mg/m^3 as Nuisance Dust

4. First Aid

First Aid For Eye: 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.

5. Fire Data

Flammability: Non-Flammable
Flash Point: Cleaveland open cup approx 190°C
Auto Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Water, carbon dioxide, dry chemical powder or appropriate foam.
Fire Fighting Procedure: Do not use a heavy stream of water. Stearic acid will float. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Fire/Explosion Hazards: This material, like most materials in powder form is capable of creating a dust explosion.

6. Accidental Release

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.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature
Shelf Life: Unlimited in tightly sealed 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. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.
Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.
Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Powder or Flake
Color: Off-White to Tan
Odor: Mild-typical fatty
Molecular Weight: 284.47 g/mol
Boiling Point: 315°C
Melting/Freezing Point: 53-66°C
Solubility In Water: Negligible
Specific Gravity: 0.875

10. Stability And Reactivity

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibilities: Bases, oxidizing agents and reducing agents.
Instable Conditions: Excessive temperatures (see incompatibilities).
Decomposition Temperature: Not established
Decomposition Products: Oxides of carbon.

11. Toxicological Information

RTECS Number: WI2800000
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: Ivn-Rat LD50: 21,500 ug/kg Ivn-Mus LD50: 23 mg/kg Skn-Rbt LD50:>5 gm/kg
Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolong exposure to this compound is not known to aggravate medical conditions.
Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

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

14. Transportation Information

Proper Shipping Name: Stearic Acid
UN Number: N/A
Class: N/A
P.G.: N/A
Label Code: N/A

15. Regulatory Information

OSHA Status: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.
SARA 313 Title III:

- Section 320 Extremely Hazardous Substances: None
- Section 311/312 Hazardous Categories: None
- Section 313 Toxic Chemicals: None

16. Other Information

Prepared By: Michael Richard
Date: June 1, 2015
Reason For Issue: GHS Compliance

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