

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Stearic Acid

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code	Emergency Telephone Number
Columbus Chemical Industries	CHEMTREC 1 (800) 424-9300
N4335 Temkin Road	Telephone Number for Information
Columbus, Wisconsin 53925	1 (920) 623-2140
	Date Prepared
	02-09-2006
	Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Stearic Acid	57-11-4	Not Available	Not Available	Not Available	

Section III - Physical/Chemical Characteristics

Boiling Point	383°C (721°F)	Specific Gravity (H ₂ O = 1)	0.847
Vapor Pressure (mm Hg) @ 174 °C	1 mmHg	Melting Point	Decomposes 69°C (156°F)
Vapor Density (AIR = 1)	Not applicable	Evaporation Rate (Butyl Acetate = 1)	Not applicable
Solubility in Water	0.01% at 60°C		
Appearance and Odor	White powder		

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
196°C (385°F) OC		Not Available	Not Available
Extinguishing Media			
Dry chemical, carbon dioxide, alcohol foam. Do not use water!			
Special Fire Fighting Procedures			
In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.			
Unusual Fire and Explosion Hazards			
Emits toxic fumes under fire conditions. Will generate carbon dioxide in a confined area. Burning stearic acid floats on the surface of water and can spread fire.			

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Incompatibles
	Stable	X		

Incompatibility Materials to Avoid

Oxidizing agents.

Hazardous Decomposition or Byproducts

Carbon oxides

Hazardous Polymerization**Conditions to Avoid**

	May Occur		N/A
	Will Not Occur		

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

	Yes		Yes	Yes
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Health Hazards (Acute and Chronic)

Irritating to skin, eyes, mucous membranes and upper respiratory tract. Mechanical irritation to eyes.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Not Listed	Not Listed	Not Listed
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Signs and Symptoms of Exposure.

Irritation, especially to mucous membranes of eyes and upper respiratory tract. Itching, redness, swelling of exposed

tissues. Diarrhea, nausea.

Medical Conditions Generally Aggravated by Exposure

Unknown to CCI.

Emergency and First Aid Procedures

INGESTION: If swallowed, wash out mouth with water if person is conscious. **EYES:** immediately flush with large amounts of water for at least 15 minutes. **INHALATION:** If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **SKIN:** Immediately wash skin with soap and large amounts of water. **CALL A PHYSICIAN.**

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area. Wear chemical-resistant goggles, apron and rubber gloves.

Sweep up and place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method Dispose in accordance with all Federal, state, and local regulations.**Precautions to be Taken in Handling and Storing**

Keep in tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage.

Keep containers upright and tightly closed.

Other Precautions Containers, even when empty, will retain residue and vapors. Always obey hazard warnings and handle empty containers as if they were full.**Section VII Control Measures****Respiratory Protection (Specify Type)** Not required, use dust respirator if necessary.

Ventilation	Local Exhaust	Recommended	Special	Eyewash nearby.
	Mechanical (General)	Not necessary	Other	

Protective Gloves Chemical resistant gloves.**Eye Protection** Chemical Safety goggles/glasses**Other Protective Clothing or Equipment** Coveralls, rubber apron.**Work /Hygienic Practices** Do not breathe dust. Wash thoroughly after handling. Avoid prolonged or repeated exposure.