

Product name: Hystrene® 5016

MSDS Number: 100000000883

Revision: 1.4 04/28/2001

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Hystrene® 5016**Chemical name:** Stearic acid**Supplier:** Crompton Corporation
One American Lane
Greenwich, CT 06831-2559, USA**Emergency telephone number:** Crompton Corporation Emergency Response (24 hours)
732-826-6600
CHEMTREC (24 hours) 800-424-9300**For MSDS, Product Safety, or regulatory inquiries, call:** Dr. R. David Peveler 203-552-3118**Customer Service:** 877-948-2688

2. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT	CAS#	CONCENTRATION
Stearic acid	57-11-4	100.0 %

3. HAZARDS IDENTIFICATION

APPEARANCE

Physical state	Powder
Color	Off-white
Odor	Slight fatty

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EMERGENCY OVERVIEW

USUAL HAZARDS ASSOCIATED WITH ORGANIC DUSTS. THE POSSIBILITY OF EXPLOSION EXISTS UNDER DUSTY CONDITIONS. AVOID DUSTING WHEN HANDLING AND AVOID ALL POSSIBLE SOURCES OF IGNITION (SPARK AND FLAME).

POTENTIAL HEALTH EFFECTS**Swallowing****Acute effects**

Low acute toxicity.

Skin absorption**Acute effects**

Low acute toxicity.

Inhalation**Acute effects**

Dust may cause irritation of the respiratory tract.

Skin contact**Acute effects**

May cause slight irritation.

Eye contact**Acute effects**

May cause slight irritation.

POTENTIAL ENVIRONMENTAL EFFECTS

Not expected to be acutely toxic to aquatic organisms.

4. FIRST AID MEASURES

Swallowing

No emergency care anticipated.

Skin

Wash skin with soap and water.

Inhalation

Remove to fresh air.

Eye contact

Flush eyes thoroughly with water for several minutes. Obtain medical attention if discomfort persists.

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5. FIRE-FIGHTING MEASURES

Flash point: 190 °C (374 °F)**Special fire fighting procedures**

Do not direct a solid stream of water or foam into burning molten material; this may cause spattering and spread the fire.

Special protective equipment for firefighters

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Extinguishing media**Suitable:** Extinguish with:

- dry chemical
- water spray
- CO2
- foam

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions

This product is insoluble in water and will float on the surface.

Methods for cleaning up

Avoid dispersion of dust.

Eliminate sources of ignition.

Sweep up and collect in a suitable container for disposal.

Sweep up using non-sparking equipment.

Observe government regulations.

7. HANDLING AND STORAGE

HANDLING

Handling precautions

Avoid breathing dust. Avoid dispersion of dust to reduce fire and explosion potential.

STORAGE

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Storage requirements

Store at ambient temperature. Repair all broken bags immediately.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION**Respiratory protection**

Use NIOSH/MSMA certified dust mask and/or respirator where appropriate.

Hand protection / protective gloves

Neoprene

Eye protection

Monogoggles

Skin protection

Rubber or plastic apron

ENGINEERING CONTROLS**Ventilation**

Adequate ventilation to keep dust level below TLV.

EXPOSURE LIMITS

<u>Component</u>	<u>Type</u>	<u>Value</u>	<u>Remark</u>
Particulates not otherwise regulated	TWA, OSHA	15.0 mg/m ³	Total dust
	TWA, OSHA	5.0 mg/m ³	Respirable fraction
	TWA - ACGIH	10.0 mg/m ³	Total inhalable dust
	TWA - ACGIH	3.0 mg/m ³	Respirable fraction

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Physical state	Powder
Color	Off-white
Odor	Slight fatty

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OTHER PROPERTIES

Boiling point	> 315 °C (> 600 °F) at STP unless specified below.
Melting point	53 - 56 °C (127 - 133 °F) at STP unless specified below.
Vapor pressure	Not volatile
Vapor density (air=1)	Non Volatile
Solubility in water	Insoluble
Flash point	190 °C (374 °F) Method: Cleveland open cup ASTM D 92
Percent volatiles	0 %(m)

10. STABILITY AND REACTIVITY

Stability: Stable.**Stability - Conditions to avoid**
Stable under normal conditions.**Incompatible materials**
Strong oxidizing agents.**Hazardous combustion products**
Carbon monoxide.
Carbon dioxide.**Hazardous polymerization:** Will not occur.

11. TOXICOLOGICAL INFORMATION

GENERAL

No information available.

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12. ECOLOGICAL INFORMATION

Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

General: It is our opinion this product is not a RCRA hazardous waste. It is the generator's responsibility to make their own determination as to the RCRA status of waste they generate. We have not performed a Toxicity Characteristic Leachate Procedure (TCLP) on this product. Incinerate in a furnace where permitted under appropriate Federal, State, and local regulations.

Non-cleaned packages

Subject completely emptied paper bags to paper recycling.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

Freight description road: OILS, LIQUID OR SOLIDIFIED, VIZ ACIDS, FATTY, OF VEGETABLE,

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40CFR302.4.

Components present in this product at a level which could require reporting under the statute are:

**** NONE ****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning

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based on Threshold Planning Quantities (TPQ's) and release reporting based on Reportable Quantities (RQ's) in 40CFR355 (used for SARA 302 and 304).

Components present in this product at a level which could require reporting under the statute are:
None.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40CFR372 (for SARA 313). This information must be included in MSDS's that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:
None.

Pennsylvania Right-To-Know Hazardous Substance List--Hazardous Substances and Special Hazardous Substances on the list must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:
None.

New Jersey Worker and Community Right-To-Know Act (Labeling Requirements)

Chemical name

CAS#

New Jersey TS Number

Stearic acid

57-11-4

EPA Hazard Categories (SARA 311, 312): None

CHEMICAL INVENTORY

Canada: This product is on the DSL.

Europe: This product is on the EINECS inventory.
200-313-4

United States: This product is on the TSCA inventory.

Australia: This product is on the AICS inventory.

Japan: This product is on the ENCS inventory.

Korea: This product is listed on the Existing Chemicals List (ECL).

16. OTHER INFORMATION

HMIS RATING

Health: 1	Flammability: 1	Reactivity: 0	PPI: -
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LEGEND

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STP	Standard temperature and pressure
W/W	Weight/Weight
0 (HMIS)	Minimal hazard
1 (HMIS)	Slight hazard
2 (HMIS)	Moderate hazard
3 (HMIS)	Serious hazard
4 (HMIS)	Severe hazard
X (HMIS)	Personal protection rating to be supplied by user depending on use conditions

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The opinions expressed herein are those of qualified experts within Crompton Corporation. We believe that the information contained herein is current as of the date of this Safety Data Sheet. Since the use of this information and of these opinions and the conditions of use of this product are not within the control of Crompton Corporation, it is the user's obligation to determine the conditions of safe use of the products.