

HYSTRENE® 5016 NF

Date Issued:	02/01/2013
MSDS No.:	1001001

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Hystrene® 5016 NF Food Grade; Hystrene® 5016 NF Food Grade Vegetable; Hystrene® 5016 NF Food Grade Vegetable Kosher; Hystrene® 5016 NF Food Grade Vegetable Palm; Hystrene® 5016 NF EXT –For External Use Only
Hystrene® 5016 NF Vegetable EXT –For External Use Only

PHYSICAL FORMS: Flake, Molten, Powder

CHEMICAL NAME: Stearic acid

GENERAL USE: All-purpose lubricant and release agent.

MANUFACTURE: PMC Biogenix, Inc.
1231 Pope Street
Memphis, TN 38108 USA

SERVICE CONTACT NUMBER: 800-641-2152

EMERGENCY CONTACT: Environmental Health and Safety Department

EMERGENCY PHONE: 901-320-5820

24 HR. EMERGENCY TELEPHONE NUMBER: CHEMTREC (24 hours) 800-424-9300

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Molten product may cause thermal burns. Usual hazards associated with organic dusts. The possibility of explosions exists under dusty conditions. Avoid dusting when handling and avoid all possible sources of ignition (Spark and Flame). Normal precautions common to safe manufacturing practice should be followed in handling and storage.

POTENTIAL HEALTH EFFECTS

Eye: May cause eye irritation; Molten product may cause thermal burns

Skin: May cause mild skin irritation; Molten product may cause thermal burns

Ingestion: Large oral doses may cause irritation to the gastrointestinal tract.

Inhalation: Excessive inhalation of dust or heated vapors may cause irritation to the respiratory tract.

Chronic: No information available

GHS Label elements, including precautionary statements

Pictogram: None

Signal word: None

Hazard statement(s): None

Precautionary statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapors/spray

P264: Wash skin thoroughly after handling

P280: Wear protective gloves/eye protection/face protection

P302 + P352: IF ON SKIN: Wash with plenty of soap and water

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS	EINEC No.	% BY WEIGHT
Octadecanoic acid	57-11-4	200-131-4	100

No Hazardous Ingredients

4. FIRST AID MEASURES

Inhalation	Remove to fresh air
Skin Contact	Wash skin thoroughly with soap and water for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns) - Cool with water or ice
Eye Contact	Immediately flush eyes with water and continue washing for at least 15 minutes. If redness or irritation occurs, seek medical attention. WHEN MOLTEN ONLY (molten product can cause thermal burns).
Indigestion	No emergency care anticipated.
Notes to Physician	None

5. FIRE-FIGHTING MEASURES

Flash point:	190 °C (374 °F)
Extinguishing Media	Dry chemical, water spray, CO2, foam
Fire Fighting Procedure:	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 fire fighting:	Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.
Hazardous combustion products:	Carbon monoxide; Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Environmental Precautions	This product is insoluble in water and will float on the surface.
Methods for cleaning up	Avoid dust formation. Avoid dispersion of dust. Sweep up and collect in a suitable container for disposal. When Molten - Transfer liquids and solid diking material to suitable containers for recovery or disposal. Allow remaining liquid to solidify, then shovel into containers. Observe government regulations.

7. HANDLING AND STORAGE

Handling	Avoid breathing dust. Avoid dispersion of dust to reduce fire and explosion potential. WHEN MOLTEN ONLY Exercise suitable precautions to avoid thermal burns., Product is normally maintained in a heated, liquid form
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Storage Normal precautions common to good safety practice should be followed in storage. Repair all broken containers immediately.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

Component	Country	Type	Value	Remark
Octadecanoic acid	USA	PEL, OSHA	5 mg/m3	Respirable dust
		PEL, OSHA	15 mg/m3	Total dust
		TWA, ACGIH	10 mg/m3	Total dust for nuisance particulates

No other exposure limits have been established. Consult local authorities for acceptable provincial values

Engineering Measures	Use local ventilation or engineering controls as needed to maintain personnel exposure below TLV
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Hygiene Measures	Handle in accordance with good industrial hygiene and safety practices.
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Personal Protective Equipment

- Respiratory Protection** Do not breathe hot vapors. Self-contained breathing apparatus may be needed if product is used in a confined or poorly ventilated area. Use NIOSH/MSMA certified dust mask and/or respirator where appropriate
- Hand Protection** Neoprene
- Eye Protection** Monogoggles.
- Skin Protection** Rubber or plastic apron

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Color	Off-white
Odor	Slightly fatty
Boiling Point	>315 °C (600 °F)
Melting Point	53 °C (127 °F) - 56 °C (133 °F)
Specific gravity (H2O=1)	0.880 g/cm ³ at 25°C
Solubility in water	Insoluble
Autoignition temperature	Not available
Upper explosion limits	Not available
Lower explosion limits	Not available
Flash point	190 °C (374 °F) Method: Cleveland open cup ASTM D 92
Percent volatiles	0%(m)

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions

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Conditions to avoid	None Known
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Carbon monoxide; Carbon dioxide
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Acute Effects

EYES:	May cause slight irritation. Molten product may cause thermal burns.
SKIN CONTACT:	May cause slight irritation. WHEN MOLTEN ONLY (molten product can cause thermal burns).
SKIN ABSORPTION:	Low acute toxicity
INHALATION :	Vapor or mist from heated material or dust may cause irritation of the respiratory tract.
SWALLOWING:	Low acute toxicity. Molten product may cause thermal burns.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information	No data available
Bioaccumulative Potential	Bioaccumulative unlikely.
Comments	Not expected to be acutely toxic to aquatic organisms.

13. DISPOSAL CONSIDERATION

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	Dispose of washing solution in same way as product. Subject completely emptied paper bags to paper recycling

14. TRANSPORTATION INFORMATION

DOT	This product is not regulated by DOT
Canada Transportation of Dangerous Goods	This product is not regulated by TDG
IMDG Classification	This product is not regulated by IMDG
ICAO Classification	This product is not regulated by ICAO

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15. REGULATORY INFORMATION

UNITED STATES

SARA Title III (Superfund Amendments and Reauthorization Act)

313 Reportable Ingredients: None

302/304 Emergency Planning

Emergency Plan: None

CERCLA (Comprehensive Response, Compensation and Liability Act)

CERCLA RQ: None

EPA Hazard Categories

SARA 311/312: None

TSCA (Toxic Substance Control Act)

TSCA Status: This product is on the TSCA inventory

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

Chemical name	C.A.S. Number	New Jersey TS Number
Octadecanoic acid	57-11-4	

California Proposition 65 Does not contain any contaminants or byproducts known by the State of California to cause cancer or reproductive toxicity as listed under Proposition 65 Safe Drinking Water and Toxic Enforcement Act.

CANADA

WHMIS CLASSIFICATION: Not a controlled product

CPR Compliance This Product has been classified with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR

Domestic Substance List (Inventory): This product is on the DSL.

Chemical Inventory

- Canada:** This product is on the DSL.
- Europe:** This product is on the EINECS inventory.
- United States:** This product is on the TSCA inventory.
- Australia:** This product is on the AICS inventory.
- China:** This product is on the IECSC Inventory.
- Japan:** This product is on the ENCS inventory.
- Korea:** This product is listed on the Existing Chemicals List (ECL).
- Taiwan** This product is listed on the National Existing Chemical Substance Inventory (NECSI)
- Philippines:** This product is on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

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16. OTHER INFORMATION

Revision 3
 Supersedes Date 04/01/2011
 Approved By Safety Health & Environmental Department
 Prepared By: Quality Assurance, Product Safety

HMIS Rating

HEALTH:	1	FLAMMABILITY:	1	PHYSICAL HAZARD:	0	PERSONAL PROTECTION:	
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Manufacturer Disclaimer: The opinions expressed herein are those of qualified experts within PMC Biogenix Inc.. 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 PMC Biogenix Inc., it is the user's obligation to determine the conditions of safe use of the products.