

## MATERIAL SAFETY DATA SHEET

### 1. Product and Company Identification

Material name SEFOSE-1618H  
 Version # 02  
 Revision date 05-13-2011  
 CAS # 37318-31-3  
 MSDS Number SEFOSE503  
 Product use Lubricant.  
 Synonym(s) SEFA Stearate, Hardened SEFA SOYATE  
 Manufacturer The Procter & Gamble Company  
 Procter & Gamble Chemicals  
 Sharon Woods Innovation Center  
 11530 Reed Hartman Highway  
 Cincinnati, Ohio 45241  
 1-800-477-8899 or 1-513-626-6882  
 PGChemMSDS.IM@pg.com  
 CHEMTREC: 1-800-424-9300 U.S. and Canada  
 CHEMTREC: 1-703-527-3887 For calls originating elsewhere

### 2. Hazards Identification

OSHA regulatory status This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).  
 Potential health effects  
 Ingestion Acute exposure - Large quantities may have a laxative effect (similar to mineral oils).  
 Potential environmental effects Ecological injuries are not known or expected under normal use.

### 3. Composition / Information on Ingredients

Components	CAS #	Percent
.ALPHA.-D-GLUCOPYRANOSIDE, .BETA.-D-FRUCTOFURANOSYL, OCTADECANOATE	37318-31-3	100

### 4. First Aid Measures

First aid procedures  
 Eye contact Rinse with water. Get medical attention if irritation develops or persists.  
 Skin contact Rinse skin with water/shower. Get medical attention if irritation develops or persists.  
 Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.  
 Ingestion Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

### 5. Fire Fighting Measures

Flammable properties Not flammable by OSHA criteria. Not combustible by OSHA criteria.  
 Extinguishing media  
 Suitable extinguishing media Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Protection of firefighters	
Protective equipment and precautions for firefighters	Wear suitable protective equipment.
Special protective equipment for fire-fighters	Wear suitable protective equipment.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out.
Specific methods	In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers.

## 6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away.
Methods for containment	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).
Methods for cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation. Following product recovery, flush area with water. Handle as any grease or oily material.

## 7. Handling and Storage

Handling	DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. May be slippery.
Storage	Keep away from heat, sparks and open flame.

## 8. Exposure Controls / Personal Protection

Exposure guidelines	ACGIH - Threshold limit value: 10 mg/m <sup>3</sup> ; based on the TLV for similar lipid materials (i.e. vegetable oil mists).
Personal protective equipment	
Eye / face protection	Not normally needed.
Skin protection	No special protective equipment required.
Respiratory protection	No personal respiratory protective equipment normally required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Contact Procter and Gamble for specific Community information.

## 9. Physical & Chemical Properties

Appearance	Waxy solid.
Physical state	Solid.
Form	Solid.
Color	White, Similar to edible fats and oils.
Odor	Bland
Odor threshold	Not available.
pH	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Boiling point	Not available.
Melting point/Freezing point	135 - 145 °F (57.2 - 62.8 °C) varies with fatty acid composition
Solubility (water)	0 %
Specific gravity	0.9 - 0.95 at 160 F (fully melted)
Relative density	Not available.
Flash point	530 °F (276.7 °C) Pensky-Martens Closed Cup

Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Viscosity	20 cps at 121 C; 7 cps at 177 C

## 10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Oxygen at high temperatures (>120 F).
Materials to avoid	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous decomposition products	Not available.

## 11. Toxicological Information

Further information	Additional information is available by request.
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## 12. Ecological Information

Environmental effects	Additional information is available by request.
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## 13. Disposal Considerations

Disposal instructions	This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.
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## 14. Transport Information

DOT

Not regulated as dangerous goods.

## 15. Regulatory Information

US federal regulations	This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
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CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Switzerland	Switzerland FOPH	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

US - New Jersey Community RTK (EHS Survey): Reportable threshold

US - Pennsylvania RTK - Hazardous Substances: Listed substance

Contains no Pennsylvania Right To Know hazardous substances

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings Health: 0  
Flammability: 1  
Physical hazard: 0

NFPA ratings Health: 0  
Flammability: 1  
Instability: 0

Disclaimer The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product.

Issue date 05-13-2011

This data sheet contains changes from the previous version in section(s): Product and Company Identification: Product and Company Identification  
Physical & Chemical Properties: Multiple Properties  
Other Information: Disclaimer