α-D-Glucopyranoside, β-D-fructofuranosyl, octadecanoate (cas 37318-31-3) MSDS

MATERIAL SAFETY DATA SHEET

MSDS Number: SEFA03-2 Revision Date: September 20, 2002
Supersedes: SEFA03-1 Issue Date: August 20, 2002

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

?? Product identification

Synonyms/Trade Names: SEFA Stearate, Hardened SEFA SOYATE / SEFOSE-1618H

?? Product uses

Lubricant

?? Company/undertaking identification

North America: The Procter & Gamble Company

Procter & Gamble Chemicals

Sharon Woods Technical Center

11530 Reed Hartman Highway

Cincinnati, Ohio 45241

Department issuing MSDS: Product Safety and Regulatory Affairs

1-800-477-8899

Europe: Procter & Gamble European Supply Company N.V.

P&G Chemicals ?? Europe

The Heights

Brooklands

Weybridge

Surrey

ENGLAND KT13 0XP

Telephone Number: 01932-896000

?? Emergency Telephone: P&G Ltd. - Brooklands, England: Tel 01932-896000 (day phone)

Emergency 0191-279-2000 (day phone)

CHEMTREC 1-800-424-9300 U.S. and Canada

1-703-527-3887 For calls originating elsewhere

U.S. Emergency, Quality or Service Issues:

Call Customer Service

1-800-477-8899 or 513-626-6882

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation (mixture): Substance

EC EC

CAS No. Wt/Wt % EC-No. Symbols R-phrases

α-D-Glucopyranoside, β-D-fructofuranosyl, octadecanoate

Hazardous Ingredients as defined by OSHA 29 CFR 1910.1200: None

Occupational exposure limits, if applicable, are listed in Section 8

LC50/LD50 information is listed in Section 11.
3. HAZARDS IDENTIFICATION

European Hazard Classification: This product is not classified as dangerous according to Directive 67/548/EC.

Potential Health Effects:

Eye: Acute and chronic exposure - No effects reported in humans.

Skin: Acute and chronic exposure - No effects reported in humans.

Inhalation: Acute exposure - No demonstrated health effects. Worst-case (aspiration) may cause lipoid pneumonitis. Chronic exposure - No demonstrated health effects. Repeated or prolonged exposure to very high levels may cause lipoid pneumonitis. Persons with a history of chronic respiratory disease may be at increased risk from severe exposure.

Ingestion - Acute exposure - Large quantities may have a laxative effect. Chronic exposure - No known adverse health effects.

Physical/Chemical Hazards: Not identified.

Environmental Hazards: Not identified.

4. FIRST AID MEASURES

Eye - Wash eyes immediately with large amounts of water until no evidence of material remains.

Skin - Wash thoroughly with plenty of water and soap.

Inhalation/aspiration - If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Keep warm and get medical attention.

Ingestion - No action required. Induction of vomiting is not recommended.

5. FIRE FIGHTING MEASURES

Extinguishing media: Dry chemicals, carbon dioxide, foam, or water spray.

Unsuitable extinguishing media: Not available

Flash Point and method: 530°F (Closed cup)

Explosive limits in air:
Upper: Not applicable
Lower: Not applicable

Auto-ignition temperature: Not available

Smoke point: 450°F

Sensitivity to mechanical impact/static discharge: Not available

Special Protective Equipment: Wear self-contained breathing apparatus and full protective clothing.

Other Fire Fighting Considerations: Cool containers with flooding quantities of water until well after fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear an appropriate NIOSH/MSHA-approved respirator, suitable gloves and eye/face protection.
Environmental Precautions: Minimize contamination of drains, surface and ground waters.

Procedures for Spill/Leak Clean-up: Handle as any grease or oily material.

Refer to Section 8 for additional personal protection information.
Refer to Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good hygiene and safety procedures. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. May be slippery.
Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.

Storage: Store in original closed containers in a cool, dry, well-ventilated area. Store separately from all combustible, organic and oxidizable materials. Store all materials in properly labeled containers.

Specific use(s): Follow bulk handling and storage procedures as noted above.

Refer to Section 6 for clean-up of spillages.
Refer to Section 13 for disposal considerations.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General Precautions: Good industrial hygiene should be followed.
Avoid breathing (heated) vapors. Avoid eye and skin contact.

Exposure Limit Values:

ACGIH - Threshold limit value: 10 mg/m³ based on the TLV for similar lipoid materials (i.e. vegetable oil mists).

Exposure Controls:
Engineering Controls: Ventilation: Provide local exhaust ventilation or general dilution ventilation to meet permissible exposure limits.

Personal Protective Equipment
Eye - None required; however goggles are recommended if working within splash distance of heated material.
Skin - Protective gloves: Not required but recommended.
Protective clothing: Not required but recommended if working within splash distance of heated material.
Inhalation - An appropriate NIOSH/MSHA approved respirator should be used if a mist or vapor is generated.
Respiratory protection must be used in accordance with the OSHA respirator standard (29 CF 1910.134).

Other Controls: None required.

Environmental Exposure Controls: Contact Procter and Gamble for specific Community information.

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information:
Physical State @ 72?? F: Waxy Solid
Appearance: White
Similar to edible fats and oils.
Odor: Bland
Odor Threshold: Not available

Important health, safety and environmental information:

pH: Not available
Boiling point/Boiling range: Not applicable (will smoke, vaporize, and decompose rather than boil)
Flash Point & Method: 530?? F (Closed cup)
Flammability (solid, gas): Not available
Explosive properties: Not available
Oxidising properties: Not available
Vapor pressure: Not applicable (NA); material is inert
Relative density: 0.90 to 0.95 at 160?? F (fully melted)
Melting point range: 135?? F to 145?? F (varies with fatty acid composition)
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9. PHYSICAL AND CHEMICAL PROPERTIES - CONTINUE
Solubility:
Water solubility: Insoluble
Fat solubility (solvent-oil to be specified): Not available
Partition coefficient: n-octanol/water: Not available
Viscosity, cps @ 121o C 20
177o C 7
Vapor Density (AIR=1): Not applicable
Evaporation Rate (nBuOAc=1): Not applicable (doesn’t evaporate)
Explosive Limits: Not applicable
Auto ignition temperature: Not available
Coefficient of water/oil distribution: Not available

10. STABILITY AND REACTIVITY
?? Stability: Stable under normal operational conditions.
?? Conditions to Avoid: Oxygen at high temperatures (>120?? F).
?? Materials to Avoid: Avoid strong acids, strong bases, oxidizing agents
?? Hazardous Decomposition Products: Not available
?? Hazardous Polymerization: Not expected.

11. TOXICOLOGICAL INFORMATION
Available upon request.

12. ECOLOGICAL INFORMATION
Available upon request.

13. DISPOSAL CONSIDERATIONS
DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL
REGULATIONS. Do not dispose of via sinks, drains or into the immediate environment.

14. TRANSPORT INFORMATION
Not regulated for transport.

15. ADDITIONAL REGULATORY INFORMATION
INVENTORY STATUS: TSCA (USA), NDSL (Canada), China, EINECS (EU), Korea, PICCS (Philippines)
EC LABELING AND CLASSIFICATION:
This product is not classified as dangerous according to Directive 67/548/EEC.
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15. ADDITIONAL REGULATORY INFORMATION - CONTINUE
Canada
HAZARDOUS INGREDIENTS ?? WHMIS (Canadian Workplace Hazardous Materials Information System)
This product when tested as a whole is not a controlled substance within the meaning of the Hazardous Products Act.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the
MSDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION
EUROPE
This product safety data sheet was prepared in compliance with 2001/58/EC.
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.