



## MATERIAL SAFETY DATA SHEET

MSDS Number: OLES602-2  
Supersedes: OLES602-1

Revision Date: May 17, 2007  
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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- Product identification**

Synonyms/Trade Names: Sucrose Polyester / **OLESTRA** / **OLEAN®**

- Product uses**

Frying fat/oil substitute.

- 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

- Emergency Telephone:**

CHEMTREC: 1-800-424-9300 U.S. and Canada  
1-703-527-3887 For calls originating elsewhere

Quality or Service Issues: Call Customer Service  
1-800-477-8899 or 513-626-6882

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS RN</u>	<u>Wt/Wt %</u>
Olestra	121854-29-3	100

Sucrose Polyester – Sucrose esterified with medium and long-chain fatty acids.

Hazardous Ingredients as defined by OSHA 29 CFR 1910.1200: None

Occupational exposure limits, if applicable, are listed in Section 8  
LC/LD50 information is listed in Section 11.

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**3. HAZARDS IDENTIFICATION**

- 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.

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**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.

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**5. FIRE FIGHTING MEASURES**

- Extinguishing media: Dry chemicals, carbon dioxide, foam, or water spray.
- Unsuitable extinguishing media: Not available
- Flash Point and method: 500° F (Closed cup)
- Explosive limits in air:  
Upper: Not applicable  
Lower: Not applicable
- Auto-ignition temperature: Not available
- Smoke point: 480° F
- Sensitivity to mechanical impact/static discharge: Not available
- Special Protective Equipment: Wear self-contained breathing apparatus and full protective clothing.

**5. FIRE FIGHTING MEASURES - CONTINUED**

- Other Fire Fighting Considerations: Cool containers with flooding quantities of water until well after fire is out.
- Exposure hazards: Not available

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**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.

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**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.

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 practices should be followed. Avoid breathing (heated) vapors. Avoid eye and skin contact.
- Exposure Limit Values:  
ACGIH - Threshold limit value: 10 mg/m<sup>3</sup>; based on the TLV for similar lipid 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.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION - CONTINUED**

- Exposure Controls (continued):

Personal Protective Equipment (continued):

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 CFR 1910.134).

- Other Controls: None required.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

- General Information:

Physical State: Viscous semisolid or solid (depends on fatty acid composition)

Appearance: White to amber

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: 500° F (Closed cup)

Flammability (solid, gas): Not available

Explosive properties: Not available

Oxidizing 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: 100° F to 160° F (varies with fatty acid composition)

Solubility:

Water solubility: Insoluble

Fat solubility (solvent-oil to be specified): Not available

Partition coefficient: n-octanol/water: Not available

Vapor Density (AIR=1): Not applicable

Evaporation Rate ( $n\text{BuOAc}=1$ ): Not applicable (doesn't evaporate)

Explosive Limits: Not applicable

Auto ignition temperature: Not available

Coefficient of water/oil distribution: Not available

Percent volatile by volume: Less than 0.05%.

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**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, oxygen at high temperatures (>120°F).

**10. STABILITY AND REACTIVITY - CONTINUED**

- Hazardous Decomposition Products: Not available
- Hazardous Polymerization: Not expected.

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**11. TOXICOLOGICAL INFORMATION**

Available upon request.

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**12. ECOLOGICAL INFORMATION**

Available upon request.

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**13. DISPOSAL CONSIDERATIONS**

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

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**14. TRANSPORT INFORMATION**

Not regulated for transport.

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**15. ADDITIONAL REGULATORY INFORMATION**

US-Food ingredient use subject to regulation under the Federal Food and Drug Act. Cleared for uses specified in 21 CFR 172.867.

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**16. OTHER INFORMATION**

The following sections contain revisions or new statements: 1, 16.

Department issuing MSDS: Product Safety and Regulatory Affairs 1-800-477-8899

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