Material Safety Data Sheet
(Isobutyl Stearate)

SECTION 1 – PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Isobutyl Stearate  
SYNONYM: Octadecanoic acid, 2-methylpropyl ester  
FORMULA: C22H44O2  
CAS NUMBER: 646-13-9

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT NAME | CAS NUMBER | PURITY
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Isobutyl Stearate | 646-13-9 | 100%

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview:
A clean odorless liquid that presents little or no health hazard and no usual hazard if involved in a fire.

Potential Health Effects:
- **Skin**: May cause skin irritation.
- **Eyes**: May cause irritation or burning.
- **Inhalation**: May cause irritation to the respiratory tract.
- **Ingestion**: Not a hazard with normal industrial usage.

Carcinogenicity: Not Identifiable

SECTION 4 – FIRST AID MEASURES

**Skin**: Immediately wash skin with soap and water for at least 15 minutes.

**Eyes**: Immediately flush with plenty of water for at least 15 minutes, holding eye lids apart.

**Inhalation**: Remove to the fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

**Ingestion**: Wash out mouth with water.

**On All of the Above**: Consult a physician if symptoms persist.
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**SECTION 5 – FIRE FIGHTING MEASURES**

- **Flash Point:** >170C
- **Flammable Limits:** N/A

**Extinguishing Media:** Use media that is appropriate to treat surrounding fires. Water or foam may cause frothing.

**Special Fire Fighting Procedures:**
Use fire fighting procedure that is appropriate to treat surrounding fire. All firefighters should use self-contained breathing apparatus and full fire-fighting turn-out gear.

**Auto Ignition Temperature:** N/A

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**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Isolate hazard area and deny entry to unnecessary or unprotected personnel. Contain Spilled liquid with sand or earth. Place in a disposal Container. Avoid runoff into storm sewers and ditches which lead to waterways.

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**SECTION 7 - HANDLING AND STORAGE**

Avoid contact with skin, eyes, and clothing. Use with adequate ventilation. Avoid breathing fumes. Use normal personal hygiene and housekeeping. Store in a cool dry area away from other incompatible materials.

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**SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION**

**Respiratory Protection:** Use NIOSH/MSHA approved respirators.

**Ventilation Requirements:** Ventilate as necessary to eliminate fumes from the work area and maintain concentrations below the limit.

**Skin and Eye Protection:** Use rubber or neoprene gloves, chemical goggles and clothing sufficient to protect kin from liquid.

**Work, Hygienic Practices:**
As required to protect skin and eyes from liquid, safety showers and/or eye wash should be available. Do not leave food or smoke in work area. Wash thoroughly and remove or clean any contaminated clothing.

**Exposure Limits:** None Established

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

- **Boiling Point:** 343C
- **Vapor Pressure (MM Hg):** N/A
- **Vapor Density (Air=1):** N/A
- **Specific Gravity (H2O=1):** 0.85
- **Percent Volatile by Volume (%):** N/A
- **Melting Point:** N/A
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Evaporation Rate (Butyl Acetate=1): N/A
Solubility in Water: Insoluble
pH: N/A

SECTION 10 – STABILITY AND REACTIVITY DATA

Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Will not occur under normal conditions.
Keep Away From: Sources of ignition.

SECTION 11 – TOXICOLOGICAL INFORMATION

LD 50: Not Available

SECTION 12 – ECOLOGICAL INFORMATION

Water solubility (20C): Insoluble OECD 105
Distribution coefficient n-octanol/ water Log Power: Not Detected OECD 107
Biodegradability after 28 days: Not Detected
COD: Not Detected
BOD5: Not Detected
BOD28: Not Detected
Fish toxicity: Not Detected OECD 203
Bacteria toxicity: Not Detected DIN 38412 T 34 (luminous bacteria)

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of in accordance with all federal, state and local regulations.
RCRA WASTE #: Not Listed

SECTION 14 - TRANSPORTATION DATA

D.O.T. Shipping Name: Butyl Stearate

SECTION 15 – REGULATORY INFORMATION

OSHA Status: Not listed
TSCA Status: Listed
CERCLA Reportable Requirements: (RQ) None
SARA Title III Information:
Section 302 Extremely Hazardous Substance Not Listed
Section 313 Toxic Chemicals: Not Listed
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Section 311/312 Hazard Category: Not considered a Hazard.

SECTION 16 – OTHER INFORMATION

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.