

Material Safety Data Sheet

(Isobutyl Stearate)



415 Huguenot Street
New Rochelle, NY 10801
Phone: (914) 654-6800
Fax: (914) 654-6899

DATE PREPARED: 6/25/2009
REVISION NUMBER: 6/25/2009
EMERGENCY NUMBER:
CHEMTREC: 1-800-424-9300

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 |
|-------------------|------------|--------|
| 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 unusual 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.

Material Safety Data Sheet

(Isobutyl Stearate)

SECTION 5 – FIRE FIGHTING MEASURES

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

Extinguishing Media: Use media that is appropriate to treat surrounding fire. 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

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.

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.

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 skin 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 smike in work area. Wash thoroughly and remove or clean any contaminated clothing.

Exposure Limits: None Established

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

Material Safety Data Sheet (Isobutyl Stearate)

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: (luminous bacteria) | Not Detected | DIN 38412 T 34 |

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 Substances: | Hazardous Substance Not Listed |
| Section 313 Toxic Chemicals: | Not Listed |

Material Safety Data Sheet (Isobutyl Stearate)

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.