

# Material Safety Data Sheet

## Ethylene Bis-Stearamide

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### SECTION 1: Chemical Product and Chemical Identification

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**Product:** Ethylene Bis-Stearamide

**Product Description:** White powder/beads

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### SECTION 2: Composition

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Ingredient Name	CAS #	UN-Identification No.	WEIGHT %
Ethylene Bis-Stearamide	110-30-5	2924199090	100

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### SECTION 3: Hazards Identification

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#### EMERGENCY OVERVIEW

High level of dust in the atmosphere may present a dust explosion hazard. These products are not hazardous as defined in 29CFR 1910.1200.

#### Potential Health Hazards:

<b>Skin contact.</b>	Not a primary irritant. Molten wax will cause burns <b>upon contact.</b>
<b>Eyes</b>	Molten wax fumes or dust particles may be slightly Irritation to eyes.
<b>Inhalation</b>	Molten wax fumes may cause mild respiratory irritation. Powder may cause minor nuisance irritation Exposure limit for total product (threshold limit value): OSHA regulation 29CFR 1910.1000 recommended by ACGIH 5 mgms/m <sup>3</sup> (respirable dust ) 10 mgms/m <sup>3</sup> (total dust)
<b>Ingestion</b>	No known effects. Products have low toxicity (acute oral >2500mg/kg)

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**SECTION 4: First Aid Measures**

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**Skin Contact** If burned by hot product, obtain medical attention immediately. In the event of skin contact with product under other conditions, wash thoroughly with soap and water. Removal of product from skin may be aided by use of waterless hand cleaner.

**Eye Contact** If hot product splashes into eyes, flush immediately with clear cold water. Contact physician immediately.

**Inhalation** If overcome by fumes, immediately remove from exposure and call a physician. If breathing is irregular or has stopped start resuscitation. Adminster oxygen if available.

**Ingestion** Product are not acutely toxic and in any case ingestion is unlikely to occur. If a product is ingested , follow appropriate action as when any foregn object is swallowed.

**Chronic Health** No know chronic health effects.

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**SECTION 5 : Firefighting Measures**

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**Flammability Properties**

**Flammability** Combustible solid

**Classification:**

**Flash point/Method:** >450<sup>0</sup>F  
ASTM D-92

**Auto Ignition** Not know

**Temperature:****Flammability Limits**

**Upper:** Not applicable

**Lower:** Not applicable

**Extinguishing Media**

Use carbon monoxide, dry chemical or fine water spray. Avoid direct stream of water as product will float and can re-ignite on the surface of the water stream.

**Firefighting Instructions**

Material will not burn unless preheated . Do not enter confined fir space without full bunker gear (helmet with face shield , bunker coats, floves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water. In powder form, static electricity may lead to explosions. See NFPA Bulleton 654. Take precaution as material may cause floors and stairs to become slippery.

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## **SECTION 6: Accidental Release Measures**

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### **Release Response:**

Use good housekeeping practices since spilled material may be a slipping hazard. When dealing with powdered grade. Keep away from heat , flame, and remove ignition sources. Collect material in a drum (may be fiberboard) or carbon using care to scatter as little dust as possible. May burn although not readily ignitable. Use cautions judgment when cleaning up large molten spills . With small molten spills wear respirator and protective clothing as appropriate. Shut off source of leak is safe to do so. Dike and contain. Allow wax to cool and remove as solid.

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## **SECTION 8 : Exposure Control and Personal Protection**

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### **Engineering Controls:**

Use adequate ventilation during heation process, or if dusty conditions occur during handling of powdered material . For storage and ordinary handling , general ventilation is adequate.

### **Personal Protection:**

**Skin Protection:** Wear heat protective gloves and long sleeve clothing if there is potential for contact with heated materials.

**Eye Protection:** Wear safety flasses as minimum protection. Consult you standard operation procedures or safety professional for advice. Use protective eye and face deviceds that comply ANSI Z87.11-1987.

**Respiratory:** Use a NIOSH approved dust respirator, if dusty conditions prvail. Use an organic vapor respirator when melting or conveying product.

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**SECTION 9 : Physical and Chemical Properties**

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**Appearance:** White pastilles, flakes, prills, or powder  
**Odor:** Typical mild waxy odor  
**Density:** 0.92-0.96  
**Water Solubility :** Negligible  
**PH:** Not applicable  
**Boiling Point:** Not applicable  
**Melting Point:** 180<sup>o</sup> -260<sup>o</sup>F

**Vapor pressure:** Not applicable  
**Vapor Density:** Not applicable  
**Evaporation Rate:** Not applicable

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**SECTION 10 : Stability and Reactivity**

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**Chemical Stability:** This product is stable at normal conditions.  
**Conditions to Avoid:** Avoid contact with strong oxidizing agents  
**Hazardous Products** Carbon monoxide, carbon dioxide, and combustible  
**Of Decomposition:** gases may be generated  
**Hazardous** Will not occur.  
**Polymerization:**  
**Reaction with Air:** Does not react with air or other common materials.

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**SECTION 11: Toxicological Information**

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**Skin Effects:** No skin effects are expected from polymer contact.  
**Oral Effects:** Acute oral toxicity in rats: LD50>2500mg/kg

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**SECTION 12 : Ecological Information**

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**Ecotoxicity:** Ecotoxicity is expected to be low based on the low water solubility of the product.

**Environmental Fate:** No information found in our selected references.

**Bioaccumulation:** Not expected to occur.

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**SECTION 13 : Disposal Considerations**

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Dispose of in accordance with federal ,state and local regulations. This product is not a RCRA hazardous wasted under present EPA regulations.

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**SECTION 14 : Transportation Information**

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**Not dangerous goods according to the transport regulation**

1. Road and Rail Transport Not applicable.
2. Sea Transport (IMDG) Not subject to IMDG code.
3. Air Transport (IATA) Not subject to IATA regulations.
4. Special Requirements and Additional Information : N

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**SECTION 15: Regulatory Information**

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**Toxic Substance Control Act (TSCA)**

**TSCA Inventory Status:** Products are listed on TSCA Chemical Inventory

**Other TSCA Issue::** None

**SARA Title III/CERCLA:**

<b>Ingredient</b>	<b>SARA/CERCLA RQ(lbs)</b>	<b>SARA EHS TPQ(lbs)</b>
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No ingredients listed in this section

**State Right to Know**

In addition to ingredients found in Section 2 , the following are listed for state right to know purposes

<b>Ingredient</b>	<b>Wt%</b>	<b>Comment</b>
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No ingredients listed in this section

**WHMIS CLASSIFICATION(Canada)** Not subject to WHMIS classification

**Foreign Inventory Status:**

**Canadian DSL ( Domestic Substance List)**

**EINECS ( EUROPEAN Inventory of Existing Commercial Substances)**

**Australian Chemical Inventory**

**Japanese Chemical Inventory**

**Korean Inventory**

**Philippine Inventory**

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**SECTION 16 : Other Information**

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**Latest Revision Date:** January 03, 2019

**Previous Issue Date :** January 03 , 2019

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