

## SECTION 1 - IDENTIFICATION OF THE PRODUCT AND THE COMPANY

PRODUCT NAME	Aluminum Stearate	TELEPHONE	+91 744 2980970
MANUFACTURER	Nimbasia Stabilizers		
ADDRESS	F-172(A&B), F-173 Indraprastha Ind.		
CHEMICAL NAME	Aluminum salt of Stearic Acid	CAS NO.	300-92-5
CHEMICAL FAMILY	Metallic Stearate	CHEMICAL FORMULA	(OH) Al (C <sub>18</sub> H <sub>35</sub> O <sub>2</sub> ) <sub>2</sub>

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NO.	%
Aluminum Distearate	300-92-5	100

## SECTION 3 - HAZARD IDENTIFICATION OF THE PREPARATION

PHYSICAL HAZARDS	Combustible dust. Potential explosive hazard when finely dispersed material is suspended in the air at sufficient concentration and in the presence of an ignition source.
HEALTH HAZARDS	Severe Irritant.
EXPOSURE LIMITS	OSHA Permissible Exposure Limit (PEL): 15 mg/m <sup>3</sup> total dust. ACGIH Threshold Limit Value (TLV): 10 mg/m <sup>3</sup> for total dust for stearates.
ROUTES OF EXPOSURE	
Skin Absorption	May cause irritation with symptoms of redness, swelling, itching and pain
Eye Contact	May cause irritation with symptoms of redness, swelling, itching, tearing and pain.
Ingestion	May cause gastroenteritis (inflammation of the lining membrane of the stomach and intestines) with abdominal pain, nausea, vomiting and diarrhea. Systemic effects may follow and may include ringing of the ears, dizziness, elevated blood pressure, blurred vision and tremors.
Inhalation	May irritate the respiratory tract. Symptoms may include coughing, shortness of breath, sore throat and runny nose. If sufficient amounts are inhaled and absorbed, symptoms may resemble those in acute ingestion.
EFFECTS OF OVER-EXPOSURE	Persons with pre-existing eye or skin conditions or impaired pulmonary function may be more susceptible to the effects of this product.

## SECTION 4 - FIRST-AID MEASURES

Skin	Immediately remove any contaminated clothing. Wash contaminated area thoroughly with soap and copious amounts of water for at least 15 minutes. If irritation or adverse symptoms develop, seek medical attention.
Eyes	Remove any contact lenses at once. Flush eyes with water for at least 15 minutes. Ensure adequate flushing by separating the eyelids with fingers. If irritation or adverse symptoms develop, seek medical attention.
Ingestion	Contact a physician, hospital or Poison Control Center at once.
Inhalation	Remove to fresh air, if coughing, breathing becomes labored, irritation develops or other symptoms develop, seek medical attention at once, even if symptoms develop several hours after the exposure.

## SECTION 5 - FIRE-FIGHTING MEASURES

FLASH POINT	>350°F (177°C), C.O.C.
FLAMMABLE LIMITS	Not established.
AUTO IGNITION TEMP.	>700°F (371°C).
FIRE EXTINGUISHER MEDIA	Water spray, foam, carbon dioxide or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES	Burning will produce toxic fumes. Firemen should be equipped with SCBA with a full face piece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.
UNUSUAL FIRE AND EXPLOSION HAZARDS	Concentrated dust may present an explosion hazard.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN EVENT OF SPILL OR RELEASE

Prevent formation of finely divided dust and control ignition sources. If finely divided dust is present, remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Clean up spills in a manner that does not generate or disperse dust into the air. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in a closed container.

## SECTION 7 - HANDLING AND STORAGE

### HANDLING

Avoid dust formation and control ignition sources. Employ grounding, venting and explosion relief provisions in accord with accepted engineering practices in any process of capable of generating dust and/or static electricity. Empty only into inert or non-flammable atmosphere. Emptying contents into a non-inert atmosphere where flammable vapors may be present could cause a flash fire or explosion due to electrostatic discharge. **DO NOT USE NEAR FOOD OR DRINK.** Avoid eye contact. Use with adequate ventilation. Wear personal protection equipment recommended in section 8. Reseal containers immediately after use.

### STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. **DO NOT STORE WITH FOOD OR DRINK.**

### OTHER PRECAUTIONS

Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for this product.

## SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

### RESPIRATORY PROTECTION

Ambient work concentrations should be monitored and if airborne concentrations are expected to exceed acceptable levels wear a NIOSH/MSHA approved dust air- purifying respirator. When using respirators refer to OSHA's 29CFR 1910.134.

### VENTILATION

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure.

### EYE PROTECTION

Safety goggles recommended. Permanent eyewash is highly recommended.

### HAND PROTECTION

Protective gloves recommended.

### OTHER

Emergency showers and eye wash stations should be available.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### APPEARANCE AND ODOR

Fine white powder with slight fatty odor.

### BOILING POINT °F

Not established.

### VAPOR PRESSURE mm Hg.

Not established.

### EVAPORATION RATE

<1 (ethyl ether =1)

### VAPOR DENSITY (Air=1)

Not established.

### % VOLATILE BY VOLUME

1.0 Moisture.

### SPECIFIC GRAVITY (Water=1)

>1

### BULK DENSITY

190 g/L

### SOLUBILITY IN WATER

Soluble.

### FLASH POINT

>350°F, C.O.C.

### FLAMMABLE LIMITS

Not established.

## SECTION 10 - STABILITY AND REACTIVITY

### INCOMPATIBILITY (Materials to avoid)

Avoid contact with strong oxidizing agents.

### STABILITY

Stable under ordinary conditions of use and storage.

### HAZARDOUS DECOMPOSITION PRODUCTS

Carbon dioxide and carbon monoxide.

### HAZARDOUS POLYMERIZATION

Will not occur.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Aluminum Distearate

#### Hazard Data:

No hazard information available for this product.

## SECTION 12 - ECOLOGICAL INFORMATION

No data is available on the preparation itself. The product should be prevented from entering drains, sewers, streams, etc.

## SECTION 13 - DISPOSAL CONSIDERATIONS

Prevent material from entering drains, sewers, streams, etc.

Immediately dispose of waste material in accordance with federal, state and local regulations.

## SECTION 14 - TRANSPORT INFORMATION

### DOT (US)

Not hazardous material.

UN/NA ID No.: N/A

Proper Shipping Name: N/A

Hazard Class: N/A

Packing Group: N/A

### IATA

Not dangerous goods.

UN/NA ID No.: N/A

Proper Shipping Name: N/A

Hazard Class: N/A

Packing Group: N/A

### IMDG

Not dangerous goods.

UN/NA ID No.: N/A

Proper Shipping Name: N/A

Hazard Class: N/A

Packing Group: N/A

### NMFC CLASSIFICATION

METALLIC SOAPS OF FATTY ACID

ITEM # 45230, CLASS 65

## SECTION 15 - REGULATORY INFORMATION

The following chemicals are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### Chemical Name

None

### CAS Number

### Percent

**Reportable Quantity:** Not applicable.

### **Australian Inventory of Chemical Substances (AICS)**

The ingredients in this product are listed in the Australian Inventory of Chemical Substances.

### **Canadian Domestic Substances List (DSL)**

The ingredients in this product are listed in the Canadian Domestic Substances List.

### **Chinese Inventory of Existing Chemical Substances Manufactured or Imported in China (IECSC)**

The ingredients in this product are listed in the Chinese IECSC Inventory.

### **European Inventory of Existing Commercial Chemical Substances (EINECS)**

The ingredients in this product are listed in the European Inventory of Existing Commercial Chemical Substances.

### **Japanese Existing and New Chemical Substances (ENCS)**

The ingredients in this product are listed in the Japanese inventory of Existing and New Chemical Substances.

### **Korean Existing Chemicals List (ECL)**

The ingredients in this product are listed in the Korean Existing Chemicals List.

### **Philippines Inventory of Chemicals and Chemical Substances (PICCS)**

The ingredients in this product are listed in the Philippines Inventory of Chemicals and Chemical Substances.

### **TSCA Status**

The ingredients in this product are listed in the US Toxic Substances Control Act (TSCA) Inventory.

### **Status of Carcinogenicity**

Not recognized as a carcinogen by the IARC, NTP or OSHA.

## SECTION 16 - OTHER INFORMATION

### NEPA 704 Rating

Health  
0

Flammability  
1

Reactivity  
0

### HMIS Rating

Health  
0

Flammability  
1

Reactivity  
0

**MSDS Reference:** Aluminum Stearate

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