



## **POLYTHYLENE WAX**

### **Grade Name: NI-110**

This Material Safety Data Sheet relates to environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know / emergency response reporting requirements under many laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

### **SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION**

#### **Product**

**: PE WAX**

Product Description

: White Prill

Chemical Name

: Polyethylene Wax

Chemical Family

: Polyethylene Homopolymer Wax

Manufacturer

: F - 172 (A & B) & F-173,  
Indraprastha Industrial Area,  
Kota, Rajasthan, India 324005.

24 Hour Emergency Assistance

+91 744 2980970

Website

[www.nimbasia.com](http://www.nimbasia.com)

### **SECTION 2 : COMPOSITION**

#### **Ingredient Name**

#### **CAS**

#### **Weight %**

Polyethylene Wax

9002-88-4

100

### **SECTION 3 : HAZARDS IDENTIFICATION**

#### **Emergency Overview**

This product is not considered to be hazardous, though high level of dust in the atmosphere may present a dust explosion hazard.

#### **Potential Health Hazards:**

Skin : Not a primary irritant.  
Molten wax can cause serious burns upon contact.

Eyes : Molten wax fumes or dust particles may be slightly irritating to eyes.

### SECTION 3 : HAZARDS IDENTIFICATION (CONTINUED)

|            |   |
|------------|---|
| Inhalation | : Molten wax fumes may cause mild respiratory irritation. Thermal decomposition can lead to release of irritating gases and vapours |
| Ingestion  | : No known effect. Products have low toxicity (acute oral > 2500 mg/kg).  |
| Symptoms   | : Mild irritation as noted above.   |

### SECTION 4 : FIRST AID MEASURES

|                |  |
|----------------|--|
| Skin Contact   | : If burned by hot product, obtain medical attention immediately. Wash off with mild soap and water. Cool skin rapidly with cold water after contact with molten material. Removal of product from skin may be aided by use of waterless hand cleaner. Call a physician immediately. |
| Eye Contact    | : If hot product splashes into eyes, flush immediately with clear cold water. Contact physician immediately.   |
| Inhalation     | : If overcome by fumes immediately remove to fresh air. Call a physician if irritation develops or persists. If breathing is irregular or has stopped, start resuscitation. Administer oxygen if available.  |
| Ingestion      | : Product is not acutely toxic and in any case ingestion is unlikely to occur. If a product is ingested, follow appropriate action as when any foreign object is swallowed.  |
| Chronic Health | : No known chronic health effects.   |

### SECTION 5 : FIRE-FIGHTING MEASURES

#### Flammability Properties

|                |                     |
|----------------|---------------------|
| Flammability   |                     |
| Classification | : Combustible Solid |
| Flash Point    | : >255°C            |

### SECTION 5 : FIRE-FIGHTING MEASURES (CONTINUED)

|                             |   |
|-----------------------------|---|
| <b>Prevention</b>           | : Take precautionary measures against static discharges.  |
| <b>Extinguishing media:</b> |   |
| Suitable                    | : Carbon dioxide, dry Chemical or fine water spray  |
| Not to be used              | : Direct stream of water, as product will float and can re-ignite on the surface of the water stream. |

## Fire-fighting Instructions

: Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots).  
In the event of fire and / or explosion do not breath fumes.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

### Personal Precautions

: Avoid dust production.  
Wear personal protective equipment.  
Avoid ingestion and inhalation.  
Extinguish all ignition sources.

### Environmental

Precautions

: Prevent entry to sewers and public waters.

After spillage and / or leakage

: Absorb spill material with inert material (e.g., dry sand or earth), then place in a chemical waste container. To clean the floor and all objects contaminated by this material, use detergent. Avoid dust formation and electrical charging (sparking) because dust explosion might occur.

## SECTION 7 : HANDLING AND STORAGE

Precautions to be taken  
in handling and storage

: Take precautionary measures against static discharges.

Handling

: Avoid contact with skin and eyes.  
Avoid ingestion and inhalation.

## SECTION 7 : HANDLING AND STORAGE (CONTINUED)

Storage

: Floors, walls and other surfaces must be regularly cleaned.  
Avoid dust production.  
Keep away from heat.  
Keep away from sources of ignition.  
Use adequate ventilation during heating process or if dusty conditions occur during handling of prill material.

Packaging materials

: Keep in original containers closed, general ventilation is adequate.  
Keep away from direct sunlight.

## SECTION 8 : EXPOSURE CONTROL AND PERSONAL PROTECTION

### **Personal protection:**

|                           |   |
|---------------------------|---|
| Respiratory protection    | : Approved dust respirator. Use an organic vapour respirator when melting or conveying product.   |
| Hand protection           | : Wear suitable gloves resistant to chemical penetration.   |
| Skin protection           | : Wear suitable protective clothing chemical resistant boots, if there is potential contact with heated materials.  |
| Eye protection            | : Wear chemical goggles or face shield with safety glasses.   |
| <b>Industrial hygiene</b> | : Good ventilation of the workplace required.<br>Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. |

## **SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

|                  |                           |
|------------------|---------------------------|
| Appearance       | : White Prill.            |
| Odor             | : Typical mild waxy odor. |
| pH               | : Not applicable.         |
| Density          | : 0.92 – 0.94 g/cc        |
| Water Solubility | : Negligible.             |
| Melting Point    | : 92 - 118°C              |

## **SECTION 10 : STABILITY AND REACTIVITY**

|   |   |
|---|---|
| Chemical Stability                                    | : Stable under recommended storage and handling conditions.   |
| Conditions to Avoid                                   | : Avoid contact with strong oxidizing agents and strong acids.<br>Avoid dust formation and electrical charging (sparking) because dust explosion might occur. |
| Incompatible With Hazardous Products of Decomposition | : Strong oxidising agents, Amines.<br>: Carbon monoxide, carbon dioxide and combustible gases may be generated.   |
| Reaction with Air                                     | : Does not react with air or other common materials.  |

## **SECTION 11 : TOXICOLOGY INFORMATION**

|              |  |
|--------------|--|
| Skin Effects | : No skin effects are expected from polymer contact. |
| Oral Effects | : Acute oral toxicity in rats: LD50 > 2000 mg/kg.    |

## **SECTION 12 : ECOLOGICAL INFORMATION**

|             |   |
|-------------|---|
| 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.  
: Not expected to occur.

### SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal : Dispose in a safe manner in accordance with local state and federal regulations.

### SECTION 14 : TRANSPORTATION INFORMATION

Not Classified

### SECTION 15 : REGULATORY INFORMATION

It conforms to the positive list of constituents as prescribed in IS: 10141.  
The product and the additives incorporated in it also comply with the FDA:CFR Title 21, 177.1520 Olefin polymers.

### SECTION 16 : OTHER INFORMATION

Latest Revision Date : March 26, 2020

Previous Issue Date :

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