

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE PREPARATION AND OF THE COMPANY

- Product name : Nucleating Agent 3940
- Manufacturer : JADE NEW MATERIAL TECHNOLOGY(QINGDAO) CO.,LTD  
Address: Room 411, Building2, No318 Longshui Road,  
Licang District, Qingdao, Shandong Province, China.  
Tel: +86 18561336360 Fax: 4008892163 - 108245

- Intended use : Plastic additive (Nucleating agent)

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Number	% w/w	CAS No.	Chemical name
1	100	54686-97-4	Bis (p-methyl benzylidene) Sorbitol

## 3. PHYSIOLOGICAL AND HEALTH HAZARD DATA

- Effects of overexposure :
  - Eyes : Dust may cause slight irritation. Permanent injury is not known.
  - Skin : It may cause slight irritation.
  - Inhalation : Dust excessive amount may cause irritation of respiratory organs.
  - Ingestion : Fatal injury is not known.

## 4. FIRST AID MEASURES

- General  
In all cases of doubt, when symptoms persist, seek medical attention.
- Inhalation : Move to the place with fresh air.  
Be medically aided if symptoms such as cough become worse.
- Skin : Immediately wash with large amounts of soap and water.  
Remove and wash contaminated clothing before reuse.  
Contact a physician if irritation continues.
- Eye : Immediately flush eyes with enough water for 15 minutes.
- Ingestion : Induce to throw up and contact a physician.

## 5. FREE-FIGHTING MEASURES

- Extinguish media : Water, carbon dioxide, foam or dry powder
- Fire and explosion hazards
  - Flash point (COC) : > 250 °C
  - Auto ignition temperature : N.A
  - Flammable limits in air (pct by volume)  
Upper : N.A Lower : N.A
- Special fire fighting procedures :
  - Use water spray to cool fire exposed containers.
  - Evacuate non-emergency personal to a safe area.
  - Avoid breathing smoke, fumes and decomposition products.
  - Wear self-contained breathing apparatus.
- Unusual fire or explosion hazards :
  - Dust may form flammable or explosive mixtures when dispersed in air in high dust concentrations

## 6. SPILL OR LEAK PROCEDURE

### ■ Steps to be taken in case of release or spill :

- Wear appropriate protective equipment as specified in section 8
- Transfer spilled material to secure containers.

### ■ Waste disposal method :

All materials should be packaged, labeled, transported according to the local solid waste disposal regulation.

## 7. HANDLING AND STORAGE

### ■ Handling

- Avoid contact with skin and eyes
- When using do not eat, drink or smoke

### ■ Storage

- Store at ambient temperature
- Store in a dry place

## 8. SPECIAL PROTECTION INFORMATION

### ■ Respiratory protection :

- Handle in the presence of adequate ventilation.
- Wear a dust mask if dust is present.

### ■ Protective gloves :

Use chemical resistant gloves.

### ■ Eye protection :

Use chemical splash goggles.

### ■ Other protective equipment :

Adequate clothing to minimize physical contact.

### ■ Other instructions : N.A

## 9. PHYSICAL DATA

### ■ Appearance : White powder

### ■ Melting point : 230~245 °C

### ■ Vapor Pressure(mmHg) : N.A

### ■ Water solubility : Insoluble

### ■ Pct volatiles by weight at 100 °C : < 1.0%

### ■ Odor : Slightly sweet

## 10. STABILITY AND REACTIVITY

### ■ Stability : Stable

### ■ Conditions to avoid : pH < 5 , pH > 9

### ■ Incompatibility (materials to be avoided) : N.A

### ■ Hazardous decomposition products :

- Decomposition may produce fumes, smokes, oxides, of carbon and/or hydrocarbon.

### ■ Hazardous polymerization : will not occur.

### ■ Conditions to avoid : N.A

## 11. TOXICOLOGICAL INFORMATION

- Threshold limit value : Not established.
- Median lethal dosage : LD<sub>50</sub> (Rats, Oral) - 12 g/kg

## 12. ENVIROMENTAL HAZARDS

N. A

## 13. DISPOSAL CONSIDERATION

- Waste disposal :  
All materials should be packaged, labeled, transported according to the local solid waste disposal regulation.

## 14. TRANSPORTATION INFORMATION

- Department of transportation classification
  - FLAMMABLE LIQUID
  - FLAMMABLE SOLID
  - FLAMMABLE GAS
  - COMBUSTIBLE LIQUID
  - OTHER SPECIFY BELOW
  - POISON, CLASS A
  - POISON, CLASS B
  - OXIDIZING MATERIAL
  - CORROSIVE MATERIAL
  - IRRITATING MATERIAL
  - NON FLAMMABLE GAS
  - NOT HAZARDOUS BY D.O.T REGULATIONS

- D.O.T. Proper shipping name : N. A

## 15. REGULATORY INFORMATION

This material and / or its components are listed under the TSCA

## 16. OTHER INFORMATION

The information contained herein is provided for the purpose of disclosing product hazards and does not constitute product specifications.

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