

Zhejiang Max International Co.,Ltd

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Material Safety Data Sheet

Nucleating Agent NC-3

1. Identification of the Substance/Preparation and the Company/Undertaking

Chemical characterization 1,3:2,4-bis-O-(3,4-dimethylphenyl)methylene-sorbitol

CAS Number 135861-56-2

Producer/Supplier ZHEJIANG MAX INTERNATIONAL CO.,LTD

220,Beijing yuan, hangzhou, P.R.China

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2. **Composition/Information on Ingredients:** No dangerous components known.

3. **Hazards Identification:** No special hazards known.

4. First Aid Measures

Skin contact

Wash off with soap and plenty of water. Do not use organic solvents. In case of dermatitis, seek medical attention.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air. In case of irritation of respiratory system or mucous membranes, seek medical attention. In case of indisposition, seek medical attention. In case of prolonged exposure, seek medical attention.

Ingestion

Immediately give plenty (> 500 ml) of water (if possible charcoal slurry). In case of spontaneous vomiting be sure that vomitus can freely drain due of danger of suffocation. Give water repeatedly. Artificial induction of vomiting should be restricted to first aid staff. Give nothing by mouth in cases of unconsciousness or convulsion. Seek medical advice.

5. Fire-Fighting Measures

Suitable extinguishing media: Water spray, Carbon dioxide (CO₂), Foam, Dry powder

Extinguishing media which must not be used for safety reasons:

High volume water jet

Exposure hazards

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Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers, or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil must be disposed of in conformity with local regulations.

Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

Hazardous decomposition products: Oxides of carbon, Toxic gases/vapours

6. Accidental Release Measures

Personal precautions

Do not breathe vapours/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Use mechanical handling equipment. Collect the spilled product into suitable containers, which must be tightly sealed and properly labelled. Avoid dust formation.

7. Handling and Storage

Handling

Handle and open container with care. Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.

Storage

Keep away from food and drink. Store in the original container securely closed.

Caution, keep this product well sealed. Keep in cool, dry place. Close containers immediately after use. Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creating dusty conditions. Empty only into earthed containers. If container is larger than 2000 liter in volume, or when flammable solvents are present inert container or use a system otherwise designed to prevent or contain an explosion -- seek expert advice.

8. Exposure Controls / Personal Protection

Technical measures/Precautions: No special precautions required.

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: Protective gloves

Eye protection: Suitable goggles or face protection

Skin and body protection: Working clothes , Closed footwear

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9. Physical and Chemical Properties

Form powder

Colour white

Melting/freezing temperature 255 - 262 °C

Self-ignition temperature >420°C

Water solubility < 0.01 %

10. Stability and Reactivity

Decomposition temperature not tested

Conditions to avoid Static discharges.

Materials to avoid Strong acids, strong bases and strong oxidising agents.

Hazardous decomposition products Oxides of carbon, Toxic gases/vapours

11. Toxicological Information

Acute oral toxicity(*Rat*) LD₅₀ > 5000 mg/kg

Acute dermal irritation/corrosion(*Rabbit*) LD₅₀ > 2000 mg/kg

Acute eye irritation/corrosion(*Rabbit*) slight to moderate

Acute skin sensitization(*Guinea pig*) not-sensitising

12. Disposal Considerations

Residual chemical should be disposed by incineration or by other modes of disposal in compliance with local legislation.