

MATERIAL SAFETY DATA SHEET

Complies with U.S. Department of Labor Occupational Safety and Health Administration
For OSHA Hazard Communication Standard Specific Requirements Consult: 29 CFR 1910.1200

Manufactured For: Sino-American Pigment Systems, Inc.
1620 Norvell Street
El Cerrito, CA 94530, USA

Date of Creation: June 23, 1998
Date of Revision: March 16, 2006

Product Identification:

Product Name: **Polypropylene clarifying agents**
[All Grades]
Chemical Family: substituted dibenzylidene sorbitol
CAS Number: 1314-3-2
Formula: $C_{20}H_{20}R_1R_2O_6$

Emergency Information:

Information Phone: 510 848 8890
Chemtrack Phone: 800 424 9300

Hazardous Materials Identification System Index Rating: Severe-4, Serious-3, Moderate-2, Slight-1, Minimal-0
[0] Health [0] Flammability [0] Reactivity [E] Personal Protection

SECTION II - HAZARDOUS IDENTIFICATION

Eye Contact: Not expected to be a health hazard.

Inhalation: May cause irritation to the respiratory tract. Symptoms may include coughing and shortness of breath. Inhalation can cause a flu-like illness (metal fume fever). This 24- to 48-hour illness is characterized by chills, fever, aching muscles, dryness in the mouth and throat and headache.

Skin Contact: Not expected to be a health hazard from skin exposure.

Ingestion: Large oral doses may cause irritation to the gastrointestinal tract.

SECTION III - PHYSICAL DATA

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|-------------------------------|------------------------------------|--------------------------|--------------|
| Boiling Point: | N/A | Specific Gravity: | 4.10 - 4.20 |
| Vapor Pressure: | N/A | Melting Point: | 220 – 230 °C |
| Vapor Density: | N/A | Evaporation Rate: | N/A |
| Appearance & Odor: | Very Fine, Yellow, Odorless Powder | | |

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

| | | | | | |
|------------------------------------|---|---------------------|---------------|-------------|-----|
| Flammability Classification | OSHA: N/A | Flash Point: | Non-Flammable | | |
| | DOT: 55 | LEL: | N/A | UEL: | N/A |
| Extinguishing Media: | [] Foam [] "Alcohol " Foam [] CO ₂ [] Dry Chemical [] Water Fog [X] Any | | | | |

Unusual Fire and Explosion Hazards: None. If involved in fire from other sources, SO₂ vapor may be generated at high temperatures

Special Fire Fighting Procedures: Fire Fighters should wear self-containing breathing apparatus to protect from potential acid vapors

SECTION V - HEALTH HAZARD DATA

Health Hazards (Acute and Chronic):

Acute: No applicable information found concerning any adverse acute health effects from overexposure to product.

Chronic: Inhalation of airborne particles may cause transient irritation in mouth, nose and throat.

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: N/A

Emergency and First Aid Procedures:

| | | |
|--------------|---|--|
| Eye Contact | - | Flush thoroughly with water. |
| Inhalation | - | Remove to fresh air. |
| Skin Contact | - | Wash thoroughly with soap or mild detergent, and water. |
| Ingestion | - | If conscious, give large quantities of water to induce vomiting, and call a physician. |

SECTION VI - REACTIVITY DATA

Stability: ☐ Unstable ☒ Stable **Conditions to Avoid:** None in normal use.

Incompatibility: None Reported.

Hazardous Decomposition Products: N/A

Hazardous Polymerization: ☐ May occur ☒ Will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:

Material will be blown away as dust. Prevent spread of material and keep dust level down. Scoop up material or use vacuum technique. Those involved in the clean-up should use respiratory protection.

Waste Disposal Methods:

As with other pigment powders, disposal must be made in accordance with Federal, State and local regulations.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

Respiratory Protection: Wear NIOSH approved dust respirator.

Ventilation: Provide local exhaust ventilation system to meet TLV requirements.

Protective Gloves: Wear Gloves to minimize contact. **Eye Protection:** Goggles advisable against dust.

Hygienic Practices: Wash thoroughly with soap and water before eating, drinking or using tobacco products.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:

- Avoid contact with water or strong acids; - Keep storage area dry; - Use ventilation to keep dust level down;
- Use a personal respirator if dust cannot be controlled; - Store away from heat; - Use good hygienic practice

Keep out of Reach of Children

The information contained herein is based on the data available to us and is believed to be accurate. However, the Sino-American Pigment Systems, Inc. makes no warranty, express or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. The Sino-American Pigment Systems, Inc. assumes no responsibility for the injury from the use of the product described herein.