

MATERIAL SAFETY DATA SHEET

THERMOGRAPHIC POWDERS

SECTION I

HAZARD RATINGS

Telephone Number: (760) 480-0062
Emergency Number: (760) 480-0062
Fax Number: (760) 480-0054

Health: 0
Flammability: 1
Reactivity: 0

SECTION II - Ingredients & Toxicity (Based on similar products)

The information on this MSDS Sheet includes safety data required by OSHA. The recipient of this safety data is responsible for passing the safety information on so that it reaches the ultimate user who may come in contact with the material.

Manufacturers Product & Trade Names:

Thermographic Powder - Crystal clear series, pearls, clear based sparkles and super sparkles

Thermographic Powder - Metallics (gold, silver, copper)

Thermographic Powder - White, Black, and all opaque series powders, including florescents, candies, stones, enhanced pearls, pastels, metabaloids, holiday series, scented, etc.

Chemical Identity:

Trade secret similar to CAS#s 68, 915, 560

Particle size of all powders is 70 to 250 microns

Composition & Common Name: Fatty acid dimer based polyamide resin

Toxicity Data: Oral-rat LD-50 > 15 gm/kg

Irritation Data: No data available

Hazardous Ingredients: None

SECTION III - Health Information

This product has low acute toxicity potential, based on the limited acute animal data available for chemically similar products. Possible route of entry into the body is inhalation of vapor from the molten resin. Ingestion is possible but not likely. Skin contact with molten resin can cause severe burns.

SECTION IV - Occupational Exposure Limits

AGGIH: Not Listed

OSHA: Not Listed

This material is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) lists of carcinogens or potential carcinogens.

SECTION V - Emergency First Aid Procedures

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician if signs of irritation appear.

Skin: If signs of irritation appear, wash skin with plenty of soap and water. If skin contact with molten resin occurs, the affected area should be cooled with cold water, but no attempt must be made to remove resin. Consult a physician immediately for burn treatment.

Ingestion: If swallowed, induce vomiting by giving two glasses of water and sticking finger down throat. Never give anything by mouth to an unconscious person. Call a physician.

SECTION VI - Physical Data

Boiling Point: Not Applicable

Melting Point: 109 C

Specific Gravity: .98 (water = 1) (25 c/25C)

% Volatile: zero

Vapor Density: (Air =1) Not Applicable

Solubility in Water: Negligible

Evaporation Rate: Approx. 0 (nBuAc = 1)

Appearance and Odor: Granular, off-white solid or coarse powder. Slight amine odor.

SECTION VII - Fire and Explosion Hazard Data

Flash Point: No applicable

Flammability Limits / % Volume: Lower: Unknown; Upper: Unknown

Extinguishing Media: Water fog, foam, Carbon Dioxide, or dry chemical

Special Fire fighting Procedures & Precautions: Toxic vapors (such as carbon monoxide) may be released during fire, respiratory protection should be provided. Material must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

Unusual Fire and Explosion Hazards: None known to Therm-O-Boss

SECTION VIII - Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Condition & Materials to Avoid: Material is normally stable, even under fire exposure conditions, and is not reactive with water.

Hazardous Products of Decomposition: Unknown

SECTION IX - Employee Protection

Excessive dust is unlikely, but for those who have a sensitivity to dust, it is recommended to use a mask.

If the body comes into contact with melted powder, clothing to protect exposed skin should be worn.

For those who come into contact with excessive amounts of dust or powder and have sensitive skin they may want to shower. It is usually not necessary under normal conditions.

SECTION X - Precaution Summary

None, other than prescribed in Sections VII-X. This product is non-hazardous under the OSHA Hazard Communication Standard.

SECTION XI - Transportation Requirements

Applicable D.O.T. Classifications: Non-hazardous

D.O.T. Proper Shipping Name: Plastic Synthetic

Other Requirements D.O.T. I.D. Number: Not applicable

SECTION XII - Other Regulatory Controls

EPA - Clean Water Act: This product may be regulated as an oil under Section 311 of the Clean Water Act. Discharges to navigable waterways resulting in a visible surface sheen are prohibited and must be reported (40 CFR-110 Discharge of Oil).

EPA - RCRA: This product is not included in the lists of hazardous substances (40-CFR 261.33), or does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24).

EPA - TSCA: This product has been declared for the TSCA inventory.

EPA - SARA, Title III, Section 313 (40 CFR 372): This product contains no toxic chemical at a level which is reportable under SARA toxic chemical release reporting regulations

Note: Other, local or state regulations may be applicable in some areas.

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