

SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [SC Matting Agent](#)

Product Description: Premium Grade Gloss Reducer Additive

Company

Manufacturer: SureCrete Design Products, Inc.

15246 Citrus Country Drive

Dade City, FL 33523

USA

Contact: 1-352-567-7973 (telephone general)

1-800-262-8200 Chemtrec

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info@surecretedesign.com (e-mail)

1-352-521-0973 (facsimile)

SECTION 2 Hazards Identification

Classification of substance or mixture:

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Combustible dust.

GHS Label Elements:

Hazard Symbol:



Signal Word: Warning

Label Precautionary Statements:

P243: Take precautionary measures against static discharge.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Emergency Overview: These products are micronized powders. Static charges on the powders may ignite flammable atmospheres. High levels of product dust in the atmosphere may present a dust explosion hazard.

Inhalation Health Risks and Symptoms of Exposure: Treat powder as a nuisance dust. Keep dust level below 5mg/m³ for respirable fraction and 10mg/m³ for total dust (ACGIH/TWA). OSHA PEL 5mg/m³. Exposure may cause dizziness, headache, respiratory irritation or unconsciousness.

Eye Contact Health Risks and Symptoms of Exposure: Particulates may cause mechanical eye irritation. Flush eyes



with copious amounts of water for at least 15 minutes.

Skin Contact Health Risks And Symptoms Of Exposure: Negligible dermal irritant. Exposure may lead to itching, scaling, drying and irritation of skin.

Ingestion Health Risks and Symptoms of Exposure: Generally non-toxic unless large quantities are ingested.

Health Hazards (Acute & Chronic):

Acute Effects: High concentrations of polymer fumes may cause eye, nose and respiratory irritation, dizziness or unconsciousness.

Chronic Effects: Repeated skin contact can lead to drying, defatting, itching, stinging and irritation.

N.T.P. Carcinogen: No

I.A.R.C. Carcinogen: No

OSHA Regulated: No

Medical Conditions Generally Aggravated By Exposure: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction

Hazard Ratings

| | <i>health</i> | <i>flammability</i> | <i>reactivity</i> | <i>personal protection</i> |
|-------------|---------------|---------------------|-------------------|----------------------------|
| HMIS | 1 | 1 | 0 | E |

SECTION 3 Composition / Information on Ingredients

| Ingredient | CAS # | EC# | % (by weight) |
|---------------------------|--------------|------------|----------------------|
| Polypropylene homopolymer | 9003-07-0 | NE | <=100% |

SECTION 4 First Aid Measures

Eye contact: Flush with copious amounts of water for at least 15 minutes. Immediate medical attention is necessary.

Inhalation: Treat as a nuisance dust. Remove victim to fresh air and provide oxygen if breathing is difficult. Immediate medical attention not normally required. No delayed effects expected.

Skin contact: For skin irritation, wash skin with soap and water and use emollient skin cream.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water.

Instruction For Physicians: No specific advice. Treat according to symptoms present.

SECTION 5 Fire Fighting Measures

OSHA Flammability Class: Combustible solid.

Suitable Extinguishing Media: Carbon Dioxide, dry chemical or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

Special firefighting procedures: Wear self-contained breathing apparatus and protective clothing approved by NIOSH. Watch footing on floors and stairs because of possible melting and spreading of material. Use spray to keep containers cool.



Unusual Fire and Explosion Hazard: Flash point >530 °F (277 °C). Melts in proximity to fires, causing slippery floors and stairs. When powder is suspended in air, these products could be flammable/explosive. In these circumstances, keep away from heat, sparks and open flames. Static charges on powders or powders in liquids may ignite flammable atmospheres. See Section 7 **“Handling and Storage”** for suggestions on how to use these products under such conditions. Also refer to NFPA Bulletin 654, *“Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries”*, for safe handling procedures.

SECTION 6 Accidental Release Measures

Steps to be taken in case material is released or spilled: Wear recommended personal protective equipment. Remove ignition sources. Sweep up with a minimum of dusting. Keep away from heat or flame. Collect in containers (e.g. fiberboard drums or cartons). If hot liquid, attempt to confine spill and let the polymer solidify. Once solid, it may be recovered as the powder. Report major leaks and spills to the appropriate local, state and federal government agencies.

Hazard warning: These products are micronized powders. Static charges on the powders may ignite flammable atmospheres. High levels of product dust in the atmosphere may present a dust explosion hazard. (See Dust Hazard Reference in Section 16. Read Section 7. See the Regulatory Information in Section 15, regarding reporting requirements.)

SECTION 7 Handling and Storage

Special handling and storage: (Always wear recommended personal protective equipment.) Avoid breathing fumes from heating operations. Avoid spillage which can cause very slippery conditions on floors. Use good personal hygiene and housekeeping.

Static electricity and fine particle size: Electrostatic charges of non-conductive materials is a natural phenomenon ranging from harmless to a nuisance to a hazard, depending on the degree of charging and the environment where the discharge takes place. In the case of micronized polymers and waxes, very high levels of static electricity develop in their manufacture, transportation and handling. These products, being poor conductors of electricity, can and will hold a static charge for long periods of time. With this in mind, a great deal of care should be exercised when handling this type of product in or around flammable liquids, particularly if the liquid is at or near its flashpoint. The generation of static electricity cannot be prevented because its intrinsic origins are present at every particle interface. Some common sense approaches to the hazards involved with static electricity are as follows:

- Use only conductive equipment and keep all components grounded and bonded to the same vessel in order to equalize any potential charge.
- Avoid projections and probes that could lead to discharge between the charged polymer and probe.
- Avoid a flammable condition by the use of inert gases in the container or by providing sufficient exhaust so as to prevent a buildup of flammable solvent vapors.
- Never pour micronized polymers or waxes from a drum or large container directly into hot flammable solvents.
- Add micronized polymers or waxes slowly and in small quantities to hot flammable solvents.
- Do not permit the product to free fall directly into the solvent. Use a pipe or chute that leads down to the level of the solvent. Make sure the pipe or chute is grounded and bonded.
- If mechanical equipment must be used, a slow-turning screw feeder that is grounded and is preferred.
- Good housekeeping is of prime importance. The building and equipment should be designed to eliminate shelves and ledges and similar places where materials can accumulate.

The above are only suggestions and should not be taken as recommended practices in your establishment and in no way should be considered as comprehensive engineering controls. A more detailed discussion and recommended



practices can be found in NFPA 77 issued by the National Fire Protection Association Inc. in 1988

Storage recommendations: Avoid excessive heat. Do not store near strong oxidizing agents and amines.

SECTION 8 Exposure Control / Personal Protection

Exposure limit values: Powdered forms may generate nuisance particulates upon handling. ACGIH TLV = 10 mg/m³. OSHA PEL 5 mg/m³.

Engineering Controls: For storage and ordinary handling, general ventilation is adequate.

Personal Protective Equipment

Eye/face protection: Chemical goggles in dusty conditions.

Skin protection: Use heat resistant, impervious gloves to avoid repeated/prolonged skin contact with molten material and powder. Other protective garments as necessary.

Body protection: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Use a NIOSH approved dust respirator.

Work / Hygienic Practices: Wash skin thoroughly with soap and warm water after handling and before smoking, eating or applying makeup. If clothes become contaminated, change to clean clothing. Do not wear contaminated clothing until properly laundered. Further information relating to the safe handling and use of fluorocarbon polymers may be found in DWE (NIOSH), Publication No. 77-193.

SECTION 9 Physical and Chemical Properties

General

Appearance: White powder
Odor: Wax odor
Odor Threshold: No data available

Safety Data

pH: No data available
Melting point: 163 °C (325 °F)
Boiling point: No data available
Flash point: >277 °C (530 °F)
Freeze Point: No data available
Evaporation rate: No data available
Flammability: Combustible solid
Upper/lower flammability limits: 232 °C (450 °F)
Vapor pressure: NIL
Vapor density (air = 1): >1
Relative density: 0.9 g/cm³
Water solubility: NIL



Partition coefficient: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Volatiles as percentage: 0

SECTION 10 Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous reactions: No data available.

Conditions to avoid: Extreme heat, sparks and open flame.

Incompatible materials: Strong oxidizing agents and amines.

Hazardous polymerization: Should not occur.

Hazardous decomposition products: These products may emit oxides of carbon and nitrogen.

SECTION 11 Toxicological Information

Acute toxicity: No data available.

Skin corrosion/irritation: No data available. None expected

Serious eye damage/irritation: No data available. Treat as nuisance dust.

Respiratory or skin sensitization: No data available. Treat as nuisance dust.

Mutagenicity: No data available.

Carcinogenicity: N.T.P. carcinogen: No I.A.R.C. carcinogen: No

Reproductive toxicity: No.

Specific target organ toxicity- single exposure: No data available. Treat as nuisance dust.

Specific target organ toxicity- repeated exposure: No data available. Treat as nuisance dust.

Aspiration Hazard: No data available. Aspiration is possible.

Medical conditions generally aggravated by exposure: May irritate people with skin problems, asthma and lung diseases. Susceptible individuals may have an allergic reaction.

SECTION 12 Ecological Information

Ecological profile: No data have been developed on this subject. These polymeric products are not soluble in water. They are not considered biodegradable. Potential environmental impact in case of spill or release is



considered to be minimal to NIL.

SECTION 13 Disposal Considerations

Methods of disposal: Assume conformity with applicable disposal regulations. Preferred method of disposal is in closed containers of sufficient strength to eliminate leakage at approved incineration or chemical landfill waste disposal site in accordance with local regulations. Sewage disposal is discouraged.

RCRA: Is the unused product a RCRA hazardous waste if discarded? No. However, the information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method.

Section 14 Transport Information

DOT: This product is not regulated for transport.

ARD/RID: This product is not regulated for transport.

IMDG: This product is not regulated for transport.

IATA: This product is not regulated for transport.

SECTION 15 Regulatory Information

US federal regulations:

T.S.C.A: This product or its components are listed on the TSCA Inventory. This product or its components do not contain any chemicals subject to any rules or orders under TSCA sections 4, 5, 6, 7, or 8(d).

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories:

SARA 302 Extremely hazardous substance: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazardous chemical: Acute Health Hazard, irritant.

SARA 313: This product does not contain any toxic chemical listed under Sec.313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Clean Water Act: Contains no known priority pollutants at concentrations greater than 0.1%.

US state regulations

US. California Proposition 65: Not Regulated.

WHMIS classification (Canada): Not subject to WHMIS regulations.

SECTION 16 Other Information

Recommended restriction: for use by trained professionals, having read the complete SDS

Other useful guides to handling organic powders include:

- NFPA 77: *Recommended Practice on Static Electricity.*
- NFPA 654: *Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids.*
- NFPA 499: *Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas.*



- OSHA 3371-08: *Hazard Communication Guidance for Combustible Dusts.*
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To the best of our knowledge the information contained here is accurate. However, neither the above named manufacturer nor any of its distributors assumes any liability whatsoever for the accuracy or the completeness of the information contained herein. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.