



SAFETY DATA SHEET

SECTION 1 Product and Company Identification

Product

Product Name: [DK Flakes](#)

Product Description: 1/4 Inch Decorative Vinyl Flake Chips

Intended Use: Decorative seamless epoxy flooring

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

+1 703-741-5500 Chemtrec International

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)

No need for classification according to GHS criteria for this product.

GHS Label Elements: The product does not require a hazard warning label in accordance with GHS criteria.

Emergency Overview:

No particular hazards known.

Hazard Symbol: None.

Hazard Ratings

	<i>health</i>	<i>flammability</i>	<i>reactivity</i>
HMIS	1	0	0
NFPA	1	0	0

SECTION 3 Composition / Information on Ingredients

This material is regulated as a mixture

Ingredient	CAS #	EC#	% (by weight)
Hazardous			
Barium Sulfate	7727-43-7	ND	70 - 85%
Titanium Dioxide*	13463-67-7	ND	0 - 10%
Non hazardous			
Proprietary Resins	NA		10 - 15%



Pigment(s)	NA		<3%
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The exact percentage (concentration) of composition has been withheld as a trade secret.

* Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

SECTION 4 First Aid Measures

Eye Contact: Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

Ingestion: If swallowed and symptoms occur, consult a doctor.

Most important symptoms and effects, both acute and delayed: No data available.

SECTION 5 Fire Fighting Measures

Suitable Extinguishing Media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special Hazards: None known.

Unusual Fire and Explosion Hazard: None known.

Advice for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

SECTION 6 Accidental Release Measures

Personal precautions: Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Prevent entry to sewers and public waters.

Methods for clean-up: Avoid the formation of dust. Use the appropriate tools to collect the material and dispose of it in an approved waste disposal container. Vacuum cleaning systems are recommended.

Waste Disposal Method: Disposal must be made in accordance with Federal, State and Local regulations.

SECTION 7 Handling and Storage

Precautions to Be Taken in Handling and Storing: Take normal precautions against box/bag breakage or spills of bulk material. Avoid creation of respirable dust.



Other Precautions: Use adequate ventilation and dust collection. Do not permit dust to accumulate in work area. Maintain and use proper and clean respiratory equipment. Clean clothing which has become contaminated.

Conditions of safe storage, including any incompatibilities: Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

SECTION 8 Exposure Control / Personal Protection

Exposure Limits:

Component	Value / Source			
Titanium Dioxide (CAS 13463-67-7)	TWA	4 mg/m ³ (total dust)	1 mg/m ³ (respirable fraction)	JSOH OEL's
Titanium Dioxide (CAS 13463-67-7)	TWA	10 mg/m ³	No data available	ACGIH
Barium Sulfate (CAS 7727-43-7)	PEL	10 ppm	No data available	OSHA
Barium Sulfate (CAS 7727-43-7)	TLV	10 mg/m ³	No data available	ACGIH

Personal Protective Equipment

Eye protection: Safety glasses.

Hand protection: Protective leather or rubber gloves.

Respiratory protection: Respiratory protection is recommended, as handling of the material produces nuisance airborne concentrations.

Other Protective Clothing or Equipment: As appropriate in light of specific application

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing and wash before reuse. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. Good industrial hygiene practices required. Adequate ventilation and personal respiratory protection should be employed.

SECTION 9 Physical and Chemical Properties

General

Physical state: Solid chip

Color: Varies

Odor: Odorless

Odor Threshold: Not available

Safety Data

pH in water: Not applicable

Melting point: Not available

Boiling point: Not available

Flash point: Not applicable

Freeze Point: Not applicable

Evaporation rate: Not applicable



Danger of explosion: Product does not present an explosion hazard

Explosion limits:

Upper: Not applicable

Lower: Not applicable

Vapor pressure (mm Hg.): Not applicable

Density:

Relative density: Not available

Vapor density: Not applicable

Evaporation rate: Not applicable

Specific gravity (H₂O = 1): 3.2

Solubility in / Miscibility with Water: Insoluble

Partition coefficient (n-octanol/water): Not available

Viscosity:

Dynamic: Not available

Kinematic: Not available

SECTION 10 Stability and Reactivity

Reactivity: No data available.

Chemical stability: Stable under normal conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of Hazardous reactions: No dangerous reactions known.

Conditions to avoid: Product is stable but decomposes at 600 °F (316 °C) liberating CO₂.

Incompatible materials: None.

Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11 Toxicological Information

Component Information

Chemical Name	Oral LD50	Inhalation LC50
Titanium Dioxide 13463-67-7	>5000 mg/kg (Rat)	No data available

Acute Toxicity

Primary irritant effect:

On the skin and eyes: This substance is not expected to cause prolonged or significant skin or eye irritation.

On Inhalation: Mild bronchial irritation may occur.

Chronic Toxicity: Heavy extended industrial exposure to the dust of this product may produce benign pneumoconiosis, termed "baritosis". Mild bronchial irritation may occur.



Medical Conditions Generally Aggravated by Exposure: Individuals with pulmonary and/or respiratory disease or subject to eye irritation, should be precluded from exposure.

Carcinogenicity: Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

SECTION 12 Ecological Information

Eco toxicity: At the present state of knowledge, no negative ecological effects are expected.

Toxicity to Fish / Aquatic Invertebrates

Chemical Name	CAS No	Fish LC50	Algae/aquatic plants EC50	Crustacea EC50
Titanium Dioxide	13463-67-7	Pimephales promelas 1000 mg/L 96 h	Pseudokirchneriella subcapitata 61 mg/L 72 h	Daphnia magna 1000 mg/L 48 h

Persistence and degradability: No data available.

Bio accumulative potential: No data available.

Mobility in soil: No data available.

Additional ecological information: Not known to be hazardous in water.

SECTION 13 Disposal Considerations

Methods of disposal: Dispose of contents/container in accordance with local/regional/national/international regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Recommended cleansing agent: Water, if necessary with cleansing agents.

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:

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance: None of the ingredients listed.

SARA 313 (TRI reporting): None of the ingredients listed.

US state regulations

US. Pennsylvania Worker and Community Right-to-Know Law:



Barium Sulfate (CAS 7727-43-7)

US. California Proposition 65:

Potential exposure to some or all of the California Prop 65 chemicals in this product have been determined to be below the No Significant Risk Level (NSRL).

SECTION 16 Other Information

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

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.