

Safety Data Sheet

According to 1907/2006/EC (REACH) and 1272/2008/EC (CLP)

Version: 1.0

Revision: 10/4/21

Trade Name: HERMETIC™ CVP Ceramic Wall Coating Pigment Dispersion

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade Name: HERMETIC™ CVP Ceramic Wall Coating Pigment Dispersion – All colors

1.2 Article No.: HERMETIC™ CVP Ceramic Wall Coating Pigment Dispersion – All colors

1.3 Details of the supplier of the Safety Data Sheet Manufacturer:

Elite Crete Systems
1151 Transport Drive
Valparaiso, IN 46383
Toll Free: 888.323.4445
Tel: (219) 465-7671
www.elitecrete.com

1.4 Emergency telephone number:

CHEMTREC US DOMESTIC: (800-424-9300)
CHEMTREC INTERNATIONAL: (703-527-3887)

2 Hazards identification

GHS Ratings:

Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive Toxin	1B	Presumed, Based on experimental animals
Aquatic toxicity	NONE	

GHS Hazards

H351	Suspected of causing cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P281	Use personal protective equipment as required
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with all local, regional, national, and international regulations.

Signal Word: Danger



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3 Composition/information on ingredients

Chemical name	CAS number	%
Titanium dioxide	13463-67-7	60 - 70
Trade Secret		20 - 30
Amorphous Silica	112926-00-8	7 - 13
Aluminum Hydroxide	21645-51-2	1 - 5
2-Methoxy-methylethyl acetate	108-65-6	1 - 5
Carbon mesoporous	1333-86-4	0.1 - 1.0

4 First aid measures

Inhalation

If affected, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Skin contact

Immediately remove contaminated clothing and shoes. Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

Eye contact

Immediately flush eyes for at least fifteen minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. If eye irritation persists: Get medical advice/attention.

Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery position. Get immediate medical attention.

5 Firefighting measures

Flash Point: 108 C (226 F) **LEL:** 1.00 **UEL:** 13.00

Extinguishing Media: Use carbon dioxide, foam, dry chemical, dry sand, water fog, or limestone powder extinguishing systems.

Unusual Fire and Explosion Hazards: None

Hazardous combustion products: Irritating or toxic substances may be emitted upon burning, combustion or decomposition. See section 10 (Stability and Reactivity) for additional information.

Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus.

Fire Equipment: No Data

6 Accidental release measures

Spill And Leak Procedures: Avoid all personal contact. Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Spills should be contained, solidified, and placed in suitable containers for disposal.

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7 Handling and storage

Precautions for safe handling

Use good laboratory/workplace procedures. Wash thoroughly after handling this product. Always wash up before eating, smoking or using the facilities. Use under well-ventilated conditions. Avoid eye and skin contact. Avoid inhalation of aerosol, mist, spray, fume or vapor. Avoid drinking, tasting, swallowing or ingesting this product. Wash contaminated clothing before reuse. Discard shoes contaminated with this product.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flames. Store cool and dry, under well ventilated conditions. Store this material away from incompatible substances (see section 10). Do not store in open, unlabeled or mislabeled containers. Keep container closed when not in use.

8 Exposure controls/personal protection

Chemical Name/CAS#	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Titanium Dioxide 13463-67-7	TWA: 15 mg/m ³	TWA: 10 mg/m ³	Not established
Trade Secret	Not Established	Not Established	Not established
Amorphous Silica 112926-00-8	OEL-TWA: 80 mg/m ³	Not Established	Not established
Aluminum Hydroxide 21645-51-2	Not Established	Not Established	Not established
2-Methoxy-methylethyl acetate 108-65-6	Not Established	Not Established	Not established
Carbon mesoporous 1333-86-4	OEL-TWA: 3.5 mg/m ³	TLV-TWA: 3.5 mg/m ³	Not established

Ventilation: Good general mechanical ventilation and local exhaust is recommended.

Hygiene: Eye wash must be easily accessible. Wear protective clothing as necessary to prevent contact. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. Gloves must be inspected regularly and prior to each use. Replace if necessary.

Personal Protective Equipment: Wear impervious protective gloves. Wear OSHA, NIOSH approved organic vapor respirator if ventilation is inadequate. Wear appropriate protective eyewear such as splash-proof, chemical resistant safety goggles.

Contaminated Gear: Take off all contaminated clothing immediately. Wash contaminated clothing before reuse.

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9 Physical and chemical properties

This mixture typically exhibits the following properties under normal circumstances:

Appearance:	Liquid	Odor:	Not available
Vapor Pressure:	2.5 mm Hg	Odor threshold:	Not available
Vapor Density:	Not available	pH:	Not available
Density (g/cm³):	2.27	Melting point:	Not available
Freezing point:	Not available	Solubility:	Not available
Boiling range:	Not available	Flash point:	108°C, 226°F
Evaporation rate:	Not available	Flammability:	Not available
Explosive Limits;	Not available	Partition coefficient (n-octanol/water):	Not available
Autoignition temperature:	Not available	Decomposition temperature:	Not available
Viscosity:	Not available	Grams VOC less water:	Not available

10 Stability and reactivity

Stability: STABLE

Components of this mixture are incompatible with the following materials:

- Strong Oxidizers
- Strong Acids
- Organic Acids
- Mineral acids
- Peroxides
- Sodium Hypochlorite

This mixture is likely to exhibit the following combustion products:

- Carbon Dioxide, Carbon Monoxide
- Nitrogen Oxides
- Ammonia

Hazardous polymerization will not occur.

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11 Toxicological information

Mixture Toxicity: Inhalation Toxicity LC50: 39mg/L

Component Toxicity:

13463-67-7	Titanium Dioxide Inhalation LC50: 7 mg/kg (Rat)
21645-51-2	Aluminum Hydroxide Oral LD50: 2,000 mg/kg (rat)
108-65-6	2-Methoxy--methylethyl acetate Dermal LD50: 2,000 mg/kg (rat)
1333-86-4	Carbon mesoporous Dermal LD50: 3,000 mg/kg (rabbit)

Routes of Entry:

Inhalation Skin Contact Eye Contact Ingestion

Exposure to this material may affect the following organs:

No Data

The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA (mandatory listing), or ACGIH (optional listing):

CAS Number	Description	% Weight	Carcinogen Rating
1333-86-4	Carbon mesoporous	0.1 to 1.0%	Carbon mesoporous: If product is in liquid or paste form, physical or health hazards listed related to dust are not considered significant. However, product may contain substances that could be potential hazards if caused to become airborne due to grinding, sanding or other abrasive processes.

12 Ecological information

Component Ecotoxicity:

Titanium Dioxide

LC50 >1000 mg/l fish 96h; EC50 >1000 mg/l water flea 48h; EC50 >100 mg/l algae 72h

2-Methoxy-methylethyl acetate

LC50 180 mg/l fish 96h; EC50 >500 mg/l water flea 48h

Carbon mesoporous

LC50 1000 mg/l fish 96h; EC50 5600 mg/l water flea 24h; EC50 10000 mg/l algae 72h

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13 Disposal considerations

Waste disposal Methods: Dispose in accordance with Federal, State and Local regulations.

14 Transport information

This material is classified for transport as follows:

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT IATA IMDG	Non-regulated	N/A	N/A	N/A

15 Regulatory information

Additional regulatory listings, where applicable:

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

Carbon mesoporous 1333-86-4

Titanium Dioxide 13463-67-7

Materials not included on the Canada DSL inventory:

- None

Commonwealth of Massachusetts "Right to Know": This product contains the following toxic or hazardous substances which appear on the Massachusetts Substance List:

Carbon mesoporous 1333-86-4

Amorphous Silica 112926-00-8

Titanium Dioxide 13463-67-7

NJ "Right to Know": This product contains the following toxic or hazardous substances which appear on the New Jersey Substance List:

Carbon mesoporous 1333-86-4

2-Methoxy--methylethyl acetate 108-65-6

Aluminum Hydroxide 21645-51-2

Amorphous Silica 112926-00-8

Titanium Dioxide 13463-67-7

Pennsylvania "Right to Know": This product contains the following toxic or hazardous substances which appear on the Pennsylvania Substance List:

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Amorphous Silica 112926-00-8

Titanium Dioxide 13463-67-7

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level: - None

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory: - None

Country

Regulation

All Components Listed

EU Risk Phrases

Safety Phrase

Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory: - None

EPA SARA Title III Section 313 (40 CFR 372) components above 'de minimum' level:

16 Other information

The information and recommendations contained herein are, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. All chemicals may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of the chemical is the sole responsibility of the user. Users of any chemical should satisfy themselves that the conditions and methods of use assure that the chemical is used safely. No representations or warranties, either expressed or implied of merchantability, fitness for a particular purpose, or any other nature, are made hereunder with respect to the information contained herein, or to the chemical to which the user refers.