

SAFETY DATA SHEET



According to Regulation (EC) No. 1907/2008

Version: 1.01
Revision Date: 10.02.2021
Print Date: 11.02.2021

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

1.1 Product Identifiers

Product Name CeramycShield™ [Part B - "Ceramic Powder" Component]
Product Number N/A

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses N/A

1.3 Details of the supplier of the safety data sheet

Company Haydale Technologies Inc.
1446 South Buncombe Road
Greer
South Carolina 29651
USA

Telephone +1 864.877.0123
Fax N/A
E-mail address info@haydale-technologies.com

1.4 Emergency telephone number

Emergency # N/A

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008
Not classified

Classification according to EU Directives 67/548/EEC or 1999/45/EC
Not classified

2.2 Label elements

Hazard pictograms



Signal words Warning

Hazard statements H335: May cause respiratory irritation
H316: Causes mild skin irritation

Precautionary statements

P264: Wash hands thoroughly after handling.
P261: Avoid breathing dust/fumes/gas/mist.
P271: Use only outdoors or in a well-ventilated area.

2.3. Other Hazards

N/A

PBT identification This substance is not identified as a PBT substance.

SECTION 3: Composition and information on ingredients

3.1. Substances

Chemical Characterization

Ingredient	C.A.S Number	Concentration (%)
Zirconium Silicate	14940-68-2	5-25
Aluminosilicates	1318-02-1	35-75
Titanium Dioxide	13463-67-7	5-25

3.1.1 Additional information:

Full text of R-, H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Eyes	Check for and remove any contact lens. Immediately flush eyes with plenty of water for at least 15 minutes lifting eyelids occasionally. Get medical attention.
Skin	In case of skin contact, wash thoroughly with water, or soap and water if available. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
Inhalation	If safe to do so remove affected person to fresh air. Keep patient half sitting with upper body raised. Seek immediate medical attention if breathing difficulties occur.
Ingestion	If accidentally swallowed, rinse mouth thoroughly with water. After rinsing drink plenty of water. In case of discomfort, obtain medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel.

SECTION 5: Firefighting measures

Flash Point	LEL	UEL	Flammability
N/A	N/A	N/A	Not Flammable

5.1 Extinguishing media

Dry chemical, alcohol foam, or carbon dioxide. Water spray may be used to keep fire-exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak, and to disperse vapors.

5.2 Special hazards arising from the substance

None.

5.3 Advice for firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full-face piece operated in the pressure demand, or other positive pressure mode.

SECTION 6: Accidental release measures

6.1. Personal precautions

Ventilate area of leak or spill. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover powder when possible.

6.2. Environmental precautions

Spray with plenty of water to wash away.

6.3. Clean-up procedures

Avoid generation of dusts and do not inhale dusts. Dispose of as a chemical waste in accordance with current local, state and federal regulations.

6.4. Reference to other sections

Refer to section 8 of SDS for personal protection details.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Provide good ventilation or extraction. Avoid prolonged or repeated breathing of vapor. Avoid contact with eyes, skin, and clothing. Keep away from heat or flames. Wash hands thoroughly with soap and water after handling.

7.2. Conditions for safe storage, including any incompatibilities

Avoid storage under 32°F or over 100°F. Keep containers tightly closed in a cool, well ventilated place. Keep container closed when not in use.

7.3. Specific end use(s)

See section 1.2, no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits not yet established. Keep exposure to this product as low as technically feasible.

8.2 Exposure controls

Precautions to be taken in use Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor or spray mist. Wash hands with soap and water after using.

Ventilation System Positive fresh air exhaust should be provided in the work area. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use.

Skin Protection Avoid skin contact. Wear butyl-rubber or latex gloves and impervious protective clothing.

Eye Protection Chemical safety goggles or splash shields are recommended.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance

Physical State	Grey powder
Colour	Grey
Odour	Low or slightly musty

Important health, safety and environmental information

Upper and Lower Flammability/ Explosive Limits	Not available
Vapor Pressure	Not available
Odor Threshold	Not available
Vapor Density	Not available
pH	9-11
Relative Density	2.0-2.5
Melting Point/Freezing Point	Not available
Solubility	Insoluble
Initial Boiling Point and Boiling Range	Not available
Flash Point deg F	Not available
Evaporation Rate	Not available

Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
VOC Content (%)	0%
Viscosity	Not available

9.2 Other information
No additional information

SECTION 10: Stability and reactivity

10.1 Stability	Stable
10.2 Hazardous Decomposition Products	None
10.3 Incompatibilities	None
10.4 Hazardous Polymerization	None

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Ingredient	Target Organs	IARC Category
Zirconium Silicate	Irritant, Lung	No
Aluminosilicates	Irritant, Lung	No
Titanium Dioxide	Irritant, Lung	No

SECTION 12: Ecological information

- 12.1 Eco-Toxicity**
No data available
- 12.2 Persistence and degradability**
No data available.
- 12.3 Bioaccumulative potential**
No data available.
- 12.4 Mobility in soil**
No data available.
- 12.5. Results of PBT and vPvB assessment**
This substance is not identified as a PBT substance.
- 12.6. Other adverse effects**
No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Discarded product is not a hazardous waste under RCRA, but may be regulated by other jurisdictions. Allow materials to dry out and harden before disposal. State and local disposal regulations may differ from federal disposal regulations.

Contaminated packaging

Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: Transport Information

14.1 UN Number

DOT and IATA Hazard Classification Not available.

14.2 UN proper shipping name

ADR/RID: Information not available

IMDG: Information not available

IATA: Information not available

14.3 Transport hazard class(es)

Not available.

14.4 Packing group

Not available.

14.5 Environmental hazards

Not available.

14.6 Special precautions for user

No data available

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not available.

SECTION 15: Regulatory Information

15.1 SARA 313 (40 CFR 372.65C) Supplier Notification

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

California Proposition 65

This product does not contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA

This product does not contain chemicals listed on the TSCA Inventory List.

CEPA

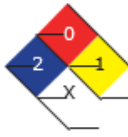

All reportable chemical substances are listed on the Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

SECTION 16: Other information

Indication of changes

Revision Number	1.01
Revision Date	10 February 2021
Supersedes Revision	N/A

Further information

HMIS - Liquefier									
4 Severe Hazard									
3 Serious Hazard									
2 Moderate Hazard									
1 Slight Hazard									
0 Minimal Hazard									
<table border="1"> <tr> <td>Health</td> <td>2</td> </tr> <tr> <td>Flammability</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> <tr> <td>Personal Protection</td> <td>X</td> </tr> </table>		Health	2	Flammability	0	Reactivity	1	Personal Protection	X
Health	2								
Flammability	0								
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Personal Protective Equipment									
									

National Fire Protection Association (NFPA)

	Health
	Flammability
	Reactivity
	Specialty
	Information