

# 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 C - "Desifier" 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

H319:

Causes serious eye irritation

H226:

Flammable liquid and vapor

**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.

P210:

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P241:

Use explosion-proof electrical/ventilating/lighting/ equipment.

### 2.3. Other Hazards

N/A

#### PBT identification

This substance is not identified as a PBT substance.

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## SECTION 3: Composition and information on ingredients

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### 3.1. Substances

#### Chemical Characterization

Ingredient	C.A.S Number	Concentration (%)
Polymer	Proprietary	100

#### 3.1.1 Additional information:

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

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

<b>Eyes</b>	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.
<b>Skin</b>	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.
<b>Inhalation</b>	<b>If safe to do so</b> remove affected person to fresh air. Keep patient half sitting with upper body raised. Seek immediate medical attention if breathing difficulties occur.
<b>Ingestion</b>	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.

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## SECTION 5: Firefighting measures

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Flash Point	LEL	UEL	Flammability
N105°F	1.3%	23%	Flammable

### 5.1 Extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Cool closed containers exposed to fire with water spray.

### 5.2 Special hazards arising from the substance

Flammable. Containers may explode when heated. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back.

### 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.

### 5.3 Hazardous Combustion Products

Carbon Monoxide (CO) Carbon Dioxide (CO<sub>2</sub>) Silicon Dioxide, Ethanol

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions**

Use personal protective equipment. Remove all sources of ignition. Take precautionary measures against static discharges. Use spark-proof tools and explosion-proof equipment.

**6.2. Environmental precautions**

Soak up with inert absorbent material. Keep in suitable, closed chemical waste containers for disposal.

**6.3. Clean-up procedures**

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.

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**SECTION 7: Handling and storage**

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**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, sparks, flames and other sources of ignition 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. Protect from moisture. Keep container closed when not in use.

**7.3. Specific end use(s)**

See section 1.2, no other specific uses are stipulated.

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**SECTION 8: Exposure controls/personal protection**

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**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 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.

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**SECTION 9: Physical and chemical properties**

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**9.1 Information on basic physical and chemical properties****General Information****Appearance**

Physical State	Liquid
Colour	Clear
Odour	Slight alcohol smell

**Important health, safety and environmental information**

Upper and Lower Flammability/	Not available
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Explosive Limits	Not available
Vapor Pressure	Not available
Odor Threshold	85 mg/m <sup>3</sup>
Vapor Density	Not available
pH	Not available
Relative Density	0.94
Melting Point/Freezing Point	Not available
Solubility	Soluble
Initial Boiling Point and Boiling Range	334°F
Flash Point deg F	113°F
Evaporation Rate	Not available
Auto-ignition Temperature	437°F
Decomposition Temperature	Not available
VOC Content (%)	2%
Viscosity	Not available

**9.2 Other information**  
No additional information

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**SECTION 10: Stability and reactivity**

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<b>10.1 Stability</b>	Stable under normal conditions. Moisture sensitive. <b>Avoid</b> Incompatible products. Excess heat. Keep away from open flames, hot surfaces and sources of ignition. Exposure to moisture.
<b>10.2 Hazardous Decomposition Products</b>	Carbon Monoxide, Carbon Dioxide, Silicon Dioxide, Ethanol
<b>10.3 Incompatibilities</b>	Strong oxidizing agents. Strong acids.
<b>10.4 Hazardous Polymerization</b>	None

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**SECTION 11: Toxicological information**

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**11.1 Information on toxicological effects**

Ingredient	Target Organs	IARC Category
Polymer	Irritant, Lung	No

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**SECTION 12: Ecological information**

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

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**SECTION 13: Disposal considerations**

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**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.

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**SECTION 14: Transport Information**

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**14.1 UN Number**

DOT and IATA Hazard Classification UN1292.

**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)**

3.

**14.4 Packing group**

III.

**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.

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**SECTION 15: Regulatory Information**

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**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.

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**SECTION 16: Other information**

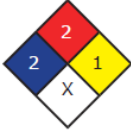
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**Indication of changes**

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






**Further information**

HMIS - Ceramic Powder	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard
0	Minimal Hazard

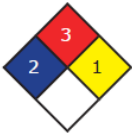


Health	2
Flammability	2
Reactivity	1
Personal Protection	X

**Personal Protective Equipment**

**National Fire Protection Association (NFPA)**



Health	3
Flammability	2
Reactivity	1
Specialty Information	