

# SAFETY DATA SHEET



According to Regulation (EC) No. 1907/2008

Version: 1.01  
Revision Date: 29.01.2021  
Print Date: 10.02.2021

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

### 1.1 Product Identifiers

**Product Name** CeramycShield™ [Part A - "Liquefier" 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**

H319:	Causes serious eye irritation
H316:	Causes mild skin irritation
H303:	May be harmful if swallowed

#### Precautionary statements

P280:	Wear protective gloves/protective clothing.
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.

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**SECTION 3: Composition and information on ingredients**

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**3.1. Substances****Chemical Characterization**

<b>Ingredient</b>	<b>C.A.S Number</b>	<b>Concentration (%)</b>
Potassium Silicate	1312-76-1	50-55
Water	7732-18-5	15-25

**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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<b>Flash Point</b>	<b>LEL</b>	<b>UEL</b>	<b>Flammability</b>
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.

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions**

Dike area to prevent spreading. Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Contain and recover liquid when possible. Use non-sparking tools and equipment.

**6.2. Environmental precautions**

Do not flush to sewer!

### 6.3. Clean-up procedures

Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container, and allow to dry. 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 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.

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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 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. 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 gloves and impervious protective clothing.

**Eye Protection** Chemical safety goggles or splash shields are strongly 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 to milky white
Odour	Low or slightly musty

##### Important health, safety and environmental information

Upper and Lower Flammability/	Not available
Explosive Limits	
Vapor Pressure	Not available
Odor Threshold	Not available
Vapor Density	Not available
pH	14
Relative Density	1.5 – 2.0
Melting Point/Freezing Point	Not available
Solubility	Water soluble
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

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**SECTION 10: Stability and reactivity**

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<b>10.1 Stability</b>	Stable
<b>10.2 Hazardous Decomposition Products</b>	None
<b>10.3 Incompatibilities</b>	Aluminium
<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**

<b>Ingredient</b>	<b>Target Organs</b>	<b>IARC Category</b>
Potassium Silicate	Irritant, Skin	No

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**SECTION 12: Ecological information**

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- 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.

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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 this product and all contaminated materials in compliance with all local and national regulations. Cannot be recycled.

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**SECTION 14: Transport Information**

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- 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.

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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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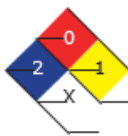

**SECTION 16: Other information**

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**Indication of changes**

Revision Number	1.01
Revision Date	29 January 2021
Supersedes Revision	N/A

**Further information**

HMIS - Liquefier		
4 Severe Hazard		Health 2
3 Serious Hazard		Flammability 0
2 Moderate Hazard		Reactivity 1
1 Slight Hazard		Personal Protection X
0 Minimal Hazard		
<b>Personal Protective Equipment</b>		
		

**National Fire Protection Association (NFPA)**

	Health
	Flammability
	Reactivity
	Specialty
	Information