

# Safety Data Sheet

Prepared in accordance with GHS standard  
Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II

Revision date: June 2019

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## Section 1: Identification

**Product Identifier (Name)** NANO-GARD 500™

**Relevant identified uses of the chemical and restriction on use**

The "Relevant" use identified is provided solely to conform to Governmental requirements, and is not included in the manufacturer's published data and specifications. The complete information on identified uses is not available now, and the Safety Data Sheet ("SDS") will be updated, as it becomes available.

**Details of the supplier of the safety data sheet**

**Manufacturer** Gemite Products Inc.  
1787 Drew Road, Mississauga, Ontario, L5S 1J5, Canada  
**Telephone** (905) 672-2020  
**Emergency telephone number** 905 672 2020

**Other means of identification**

**Chemical family** Concrete Hardener/Densifier - hydrophilic. For further information, refer to the product technical data sheet.

## Section 2: Hazard(s) identification

**2. Hazards identification**

**GHS Classification:** WARNING!

- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.

**GHS Label element**

Hazard pictograms:



**Precautionary Statements: Prevention:** Avoid breathing mists/sprays.  
Avoid direct contact.

## Section 3: Composition/information on ingredients

**Hazardous ingredients**

Chemical Name	CAS No	% by Weight	SARA 313	Vapor Pressure (mm Hg@20°C)	LEL (@25°C)
Lithium Silicate	12627-14-4	10-15	No	< 1	N/A

All other ingredients are non-hazardous within the current knowledge of the supplier and in the concentrations applicable.

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Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1966 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313."

*N/A: Not Applicable*

## Section 4: First-aid measures

### Description of First Aid measures

#### General advice

First aid personnel should pay attention to their own safety. Remove contaminated clothing.

#### If inhaled

Not expected to be an exposure route as supplied. If respiratory symptoms develop, seek medical attention.

#### If on skin

Wash affected areas with mild soap and water. Remove contaminated shoes/clothing. Seek prompt medical attention.

#### If in eyes

Immediately flush eyes with water for fifteen (15) minutes. Seek prompt medical attention.

#### If swallowed

Dilute with liquid unless the victim is unconscious or very drowsy. Do not induce vomiting. If vomiting spontaneously occurs, prevent lung aspiration. Seek immediate medical attention.

**Most important symptoms and effects, both acute and delayed:** See Section II for Symptoms/Effects.

## Section 5: Fire-fighting measures

**Suitable extinguishing media:** Water fog, foam, dry chemical.

**Flashpoint:** Product will not flash due to water content.

**Chemical/Combustion Hazards:** None recognized.

**Precautions/Personal Protective Equipment:** Use appropriate personal protective equipment.

## Section 6: Accidental release measures

**Spill or leak procedures:** Avoid direct contact. Dike and contain spilled material. Remove source of spill if safe to do so. Apply absorbent and place clean-up material in sealed/marked containers for proper disposal.

## Section 7: Handling and Storage

**Advice on safe handling:** Avoid direct contact.

**Conditions for safe storage:** Prevent product from freezing.

## Section 8: Exposure controls/personal protection

Component	OSHA				ACGIH			
	PEL	PEL/CEILING	PEL/STEL	SKIN	TWA	TLV/CEILING	TLV/STEL	SKIN
Sodium Silicate	2 mg/m <sup>3</sup>	N/E	N/E	No	N/E	N/E	N/E	N/E

\*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

*N/E: Not Established*

**Engineering measures:** None required under normal use conditions.

#### Personal protective equipment

Safety glasses, chemical-resistant gloves.

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## Section 9: Physical and chemical properties

Appearance:	Clear Liquid
Odor:	Odorless
Odor Threshold:	Not determined
Flash point:	Does not flash
Specific Gravity	1.06-1.12 g/cm <sup>3</sup>
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	10.5-11.4
Melting point/Freezing point:	Not determined
Boiling point/boiling range:	(212 °F) 100°C
Flammability:	Not determined
Vapor pressure:	Not determined
Solubility:	Not determined
Viscosity:	Not determined
Vapor Density:	Not applicable
Relative density:	Not determined
Evaporation rate:	<1 (Ether = 1)
Volatile organic compounds (VOC) content:	0 g/l
% Volatile by volume:	Not established
% Volatile by weight:	79 (Approximate)
Partition Coefficient:	Not determined
UEL/LEL:	Not determined

## Section 10: Stability and reactivity

**Stability:** Stable.  
**Hazardous Polymerization:** Will not occur.  
**Conditions and materials to avoid:** Strong acids.  
**Hazardous Decomposition Products:** None recognized.

## Section 11: Toxicological information

**Skin Contact:** Direct contact may cause moderate skin irritation. Prolonged contact may result in skin damage.

**Eye Contact:** Direct contact may cause moderate to severe irritation. This product may cause corneal injury resulting in permanent impairment/blindness.

**Inhalation:** Not anticipated to be an exposure route. Inhalation of mists may cause moderate to severe respiratory tract infection.

**Ingestion:** Not anticipated to be an exposure route. May cause severe irritation of the gastrointestinal tract if ingested.

**Signs and Symptoms:** This product will cause moderate to severe irritation if direct contact occurs. Symptoms will vary from mild irritation to severe burning based on product concentration and duration of exposure.

**Aggravated Medical Conditions:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product.

**Other Health Effects:** None recognized.

## Section 12: Ecological information

**Ecotoxicity:** Expected to have adverse impact on aquatic life based on product pH

**Degradability:** N/E

**Bioaccumulative Potential:** N/E

**Soil Mobility:** N/E

**Other Adverse Effects:** None recognized

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## Section 13: Disposal considerations

**Waste disposal information:** Consult local, state, and federal regulations for disposal information.

## Section 14: Transport information

<b>Hazardous/Non-Hazardous Material:</b>	Not regulated by DOT.
<b>UN Number:</b>	None.
<b>Hazard Class:</b>	N/A
<b>Packing Group:</b>	N/A
<b>UN Proper Shipping Name:</b>	N/A
<b>Environmental Hazards:</b>	None recognized.
<b>Bulk Transportation Information:</b>	None.
<b>Special precautions for user:</b>	Prevent product from freezing.

## Section 15: Regulatory information

**Other Regulatory Considerations:** None recognized.

## Section 16: Other information

### Notice to reader

The information contained in this Safety Data Sheet is based on our level of knowledge at the time of its preparation. Our most current Sales Terms & Conditions shall apply. Please consult the technical data sheet for the appropriate products, and current guide specifications and application instructions, prior to any use and processing.

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