

Product name: SIPERNAT® 800

# SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations  
(SOR/2015-17)

## 1. Identification

**Product identifier:**  
SIPERNAT® 800

**Chemical name:**  
Silicic acid, aluminum sodium salt

### Recommended use of the chemical and restrictions on use

**Recommended use:** Coating agent  
**Recommended restrictions:** Not known.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.  
3380 South Service Road  
L7N 3J5 Burlington ON  
Canada

Telephone : +1 905 336 3423

Fax : +1 905 332 5632

E-mail : product-regulatory-services@evonik.com

### Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)  
Emergency : 800 681 9531 (CHEMTREC MEXICO)  
+1 703 527 3887 (CHEMTREC WORLD)  
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)  
+1 973 929 8060 (Product Regulatory Services)

## 2. Hazard(s) identification

**Hazard Classification**  
**According to Hazardous Products Regulations**  
Not classified

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

**Precautionary Statements**

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**Physical Hazards Not Otherwise Classified:** Classification not possible

**Health Hazards Not Otherwise Classified:** Classification not possible

### 3. Composition/information on ingredients

**Chemical name:**  
 Silicic acid, aluminum sodium salt

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Silicic acid, aluminum sodium salt	No data available.	1344-00-9	<=100%

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

### 4. First-aid measures

#### Description of necessary first-aid measures

**Inhalation:** In case product dust is released: Possible discomfort: cough, sneezing Move to fresh air.

**Skin Contact:** Wash off with plenty of water and soap.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes or until all material has been removed. Obtain medical attention. No information available.

**Ingestion:** Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.

**Personal Protection for First-aid Responders:** As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** None known.

**Hazards:** None known.

#### Indication of immediate medical attention and special treatment needed

**Treatment:** No hazards which require special first aid measures.

### 5. Fire-fighting measures

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**Suitable (and unsuitable) extinguishing media**

<b>Suitable extinguishing media:</b>	Water spray, foam, CO <sub>2</sub> , dry powder. Adapt fire-extinguishing measures to surroundings
<b>Unsuitable extinguishing media:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical:</b>	None known.

**Special protective equipment and precautions for firefighters**

<b>Special fire fighting procedures:</b>	No data available.
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

<b>6. Accidental release measures</b>
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<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment.
<b>Methods and material for containment and cleaning up:</b>	Sweep up or vacuum up spillage and collect in suitable container for disposal.
<b>Environmental Precautions:</b>	Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems. Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

<b>7. Handling and storage</b>
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**Handling**

<b>Technical measures (e.g. Local and general ventilation):</b>	Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.
<b>Safe handling advice:</b>	If necessary: Local ventilation. Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.
<b>Contact avoidance measures:</b>	No data available.
<b>Hygiene measures:</b>	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

**Storage**

<b>Safe storage conditions:</b>	Take precautionary measures against static discharges. Keep in a dry, cool place.
<b>Safe packaging materials:</b>	No data available.

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## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Silicic acid, aluminum sodium salt - as Al	TWA	2 mg/m <sup>3</sup>	Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended
Silicic acid, aluminum sodium salt - Respirable.	TWA	1 mg/m <sup>3</sup>	Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)
Silicic acid, aluminum sodium salt - Respirable fraction.		1 mg/m <sup>3</sup>	Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended
Silicic acid, aluminum sodium salt - Respirable fraction.	TWA	1 mg/m <sup>3</sup>	Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended
Silicic acid, aluminum sodium salt - as Al	15 MIN ACL	4 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
Silicic acid, aluminum sodium salt - Dust. - as Al	15 MIN ACL	20 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
Silicic acid, aluminum sodium salt - as Al	8 HR ACL	2 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
Silicic acid, aluminum sodium salt - Dust. - as Al	8 HR ACL	10 mg/m <sup>3</sup>	Canada. Saskatchewan OELs (Occupational Health and Safety Regulations, 1996, Table 21), as amended
Silicic acid, aluminum sodium salt - as Al	TWA	2 mg/m <sup>3</sup>	Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended
Silicic acid, aluminum sodium salt - Respirable fraction.	TWA	1 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values, as amended
Silicic acid, aluminum sodium salt - as Al	REL	2 mg/m <sup>3</sup>	US. NIOSH: Pocket Guide to Chemical Hazards, as amended

#### Appropriate Engineering Controls

Ensure suitable suction/aeration at the work place and with operational machinery. Local ventilation if necessary. see also section 7.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety glasses with side-shields If dust occurs: basket-shaped glasses

#### Skin Protection

**Hand Protection:** Additional Information: Wear protective gloves made of the following materials: material, rubber, plastics. Additional Information: The material thickness and rupture time data do not apply to non-solute solids / dusts.

**Other:** No particular measures required. A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

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<b>Respiratory Protection:</b>	No special protective equipment required. If dust occurs: Dust mask with P2 particle filter 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. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
<b>Hygiene measures:</b>	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	odourless
<b>Odor Threshold:</b>	Not applicable
<b>pH:</b>	6 - 8 (50 g/l, 20 °C) Suspension
<b>Melting Point:</b>	Approximate 1,700 °C
<b>Boiling Point:</b>	Not determined.
<b>Flash Point:</b>	Not applicable Solid
<b>Evaporation Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not applicable
<b>Explosive limit - upper:</b>	Not determined.
<b>Explosive limit - lower:</b>	Not determined.
<b>Vapor pressure:</b>	Not applicable
<b>Relative vapor density:</b>	No data available.
<b>Density:</b>	Approximate 2.1 g/cm <sup>3</sup> (20 °C) (DIN / ISO 787 / 10)
<b>Relative density:</b>	No data available.
<b>Solubility in Water:</b>	hardly soluble
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Self Ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	> 1,700 °C
<b>Kinematic viscosity:</b>	Not applicable solid
<b>Dynamic viscosity:</b>	Not applicable solid

### Other information

<b>Explosive properties:</b>	Not to be expected in view of the structure
<b>Oxidizing properties:</b>	Not to be expected in view of the structure
<b>Minimum ignition energy:</b>	Not determined.
<b>Minimum ignition temperature:</b>	Not determined.

## 10. Stability and reactivity

<b>Reactivity:</b>	No dangerous reaction known under conditions of normal use.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	No hazardous reactions are known if properly handled and stored.

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<b>Conditions to avoid:</b>	No dangerous reaction known under conditions of normal use.
<b>Incompatible Materials:</b>	None known.
<b>Hazardous Decomposition Products:</b>	None known.

## 11. Toxicological information

**General information** : Toxic effects from handling this product are unknown as yet.

### Information on likely routes of exposure

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

<b>Oral</b>	
<b>Product:</b>	LD 50 (Rat): > 5,000 mg/kg
<b>Dermal</b>	
<b>Product:</b>	LD 50 (Rabbit): > 5,000 mg/kg
<b>Inhalation</b>	
<b>Product:</b>	Not classified for acute toxicity based on available data.No data available.

#### Repeated dose toxicity

**Product:** NOAEL (Rat, Oral, 14 d): 7,500 mg/kg

#### Skin Corrosion/Irritation

**Product:** (Rabbit): Not irritating comparable product Based on available data, the classification criteria are not met.

#### Serious Eye Damage/Eye Irritation

**Product:** Rabbit: Not irritating comparable product Based on available data, the classification criteria are not met.

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**Respiratory or Skin Sensitization**
**Product:** Not known.

**Carcinogenicity**
**Product:** No evidence that cancer may be caused.

**Germ Cell Mutagenicity**
**In vitro**
**Product:** Ames test (analogous OECD method): no evidence of mutagenic effects comparable product Based on available data, the classification criteria are not met.

**In vivo**
**Product:** no evidence of mutagenic effects comparable product Based on available data, the classification criteria are not met.

**Reproductive toxicity**
**Product:** no evidence of reproductiontoxic properties

**Specific Target Organ Toxicity - Single Exposure**
**Product:** no evidence for hazardous properties

**Specific Target Organ Toxicity - Repeated Exposure**
**Product:** no evidence for hazardous properties

**Aspiration Hazard**
**Product:** Not classified

**Other effects:**

An Expert Judgment stated that no classification is necessary based on present knowledge. No toxicological tests are available on the product.

<b>12. Ecological information</b>
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**Ecotoxicity:**
**Acute hazards to the aquatic environment:**
**Fish**
**Product:** LC 50 ((Brachydanio rerio), 96 h): > 10,000 mg/l The reported toxic effects relate to the nominal concentration.  
 LC 0 (96 h): >= 10,000 mg/l The reported toxic effects relate to the nominal concentration.

**Aquatic Invertebrates**
**Product:** No data available.

**Chronic hazards to the aquatic environment:**
**Fish**
**Product:** No data available.

**Specified substance(s):**

Silicic acid, aluminum No data available.

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sodium salt

**Aquatic Invertebrates****Product:** No data available.**Specified substance(s):**

Silicic acid, aluminum sodium salt No data available.

**Toxicity to Aquatic Plants****Product:** IC 50 (Desmodesmus subspicatus (green algae), 72 h): > 10,000 mg/l The reported toxic effects relate to the nominal concentration.**Persistence and Degradability****Biodegradation****Product:** The methods for determining biodegradability are not applicable to inorganic substances.**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** Not to be expected.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: Not applicable**Mobility in soil:**

No remarkable mobility in soil is to be expected.

**Other adverse effects:**

An Expert Judgment stated that no classification is necessary based on present knowledge.

**13. Disposal considerations****Disposal methods:**

Waste must be disposed of in accordance with local, state, provincial and federal laws and regulations. Empty containers must be handled with care due to product residue.

**Contaminated Packaging:**

Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

**14. Transport information****Domestic regulation****TDG**

Not regulated as a dangerous good

**International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**



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Not regulated as a dangerous good

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. Regulatory information****Canada Federal Regulations****List of Toxic Substances (CEPA, Schedule 1)**

Not Regulated

**Export Control List (CEPA 1999, Schedule 3)**

Not Regulated

**National Pollutant Release Inventory (NPRI)****Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements**

NPRI PT5 Not Regulated

**Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)**

NPRI Not Regulated

**Greenhouse Gases**

Not Regulated

**Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements**

Not Regulated

**Controlled Drugs and Substances Act**

CA CDSI Not Regulated

CA CDSII Not Regulated

CA CDSIII Not Regulated

CA CDSIV Not Regulated

CA CDSV Not Regulated

CA CDSVII Not Regulated

CA CDSVIII Not Regulated

**Precursor Control Regulations**

Not Regulated

**16. Other information, including date of preparation or last revision****Issue Date:** 01/19/2021**Revision Date:** 11/06/2020: ARGLO\_SUBTYP11/06/2020: ARGLO\_EXCOMP11/06/2020:  
ARGHS\_DOC11/06/2020: ARGHS\_HZ\_ING11/06/2020:  
ARCA\_COMP11/06/2020: ARCA\_SEC1511/06/2020: ARGLO\_REG**Version #:** 1.0**Further Information:** No data available.

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**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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