

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** SPHERILEX® DP-0115

**Chemical name:**

Silicon dioxide, chemically prepared

### Other means of identification

**CAS Number:** 112926-00-8, 7631-86-9

### Recommended restrictions

**Recommended use:** Coating agent

**Restrictions on use:** Interior and exterior architectural liquid wall paint applications in US

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation  
2 Turner Place  
Piscataway, NJ 08854  
USA

Telephone : +1 973 929 8000

Fax : +1 973 929 8040

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)

## 2. Hazard(s) identification

### Hazard Classification

Not classified

### Label Elements

**Hazard Symbol:** No symbol

**Signal Word:** No signal word.

**Hazard Statement:** Not applicable

### Precautionary Statements

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

**Chemical name:**

Silicon dioxide, chemically prepared  
**Substances**

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) <sup>*</sup>
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)		112926-00-8	

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

**Composition Comments:** No hazardous ingredients.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

**Description of necessary first-aid measures**

<b>Inhalation:</b>	In case product dust is released: Possible discomfort: cough, sneezing Move to fresh air.
<b>Skin Contact:</b>	Wash off with plenty of water and soap.
<b>Eye contact:</b>	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.
<b>Ingestion:</b>	Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms:</b>	None known.
<b>Hazards:</b>	No data available.

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

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

### 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Water spray, foam, CO<sub>2</sub>, dry powder. Adapt fire-extinguishing measures to surroundings

**Unsuitable extinguishing media:** Do not use a solid water stream as it may scatter and spread fire.

**Special hazards arising from the substance or mixture:** None known.

**Special protective equipment and precautions for fire-fighters**

**Special fire-fighting procedures:** Containers can build up pressure if exposed to heat (fire). Cool with water spray.

**Special protective equipment for fire-fighters:** As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment.

**Accidental release measures:** Avoid dust formation.

**Methods and material for containment and cleaning up:** Vacuum up immediately. A vacuum cleaner with a high-efficiency filtration system is recommended. To avoid raising dust do not use brooms or compressed air. Collect and place in correctly labelled containers. For disposal see Section 13.

**Environmental Precautions:** Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, rivers, groundwater or soil. Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

**7. Handling and storage**

**Handling**

**Technical measures (e.g. Local and general ventilation):** No data available.

**Safe handling advice:** 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. Use with adequate ventilation.

**Contact avoidance measures:** No data available.

**Storage**

**Safe storage conditions:** Take precautionary measures against static discharges. Keep containers tightly sealed and store in a dry, cool place

**Safe packaging materials:** No data available.

**8. Exposure controls/personal protection**

**Control Parameters**
**Occupational Exposure Limits**

Chemical Identity	Type	Exposure Limit Values	Source
Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9)	PEL	6 mg/m <sup>3</sup>	Source: 54 FR 2701
	PEL	20 millions of particles per cubic foot of air	Source: 54 FR 2701

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls**

No data available.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection:**

Safety glasses with side shields In case of dusts: Wear tight-fitting eye protection (e.g. safety goggles)

**Skin Protection**
**Hand Protection:**

Additional Information: Wear protective gloves made of the following materials: material, rubber, leather. Additional Information: The data about break through time/strength of material is not valid for undissolved solids/dust.

**Skin and Body Protection:**

Safety showers and eye showers should be easily accessible. In order to determine further specifications applicable to the personal protection equipment, a hazard assessment according to the OSHA standards (29 CFR 1910.132) for personal protection equipment (PPE) is recommended before the product is used.

**Respiratory Protection:**

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.

**Hygiene measures:**

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.

<b>9. Physical and chemical properties</b>
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**Information on basic physical and chemical properties**
**Appearance**

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable
<b>Melting Point:</b>	Approximate 3,092 °F/1,700 °C
<b>Boiling Point:</b>	No information available.
<b>Flammability:</b>	Not applicable
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	Not applicable
<b>Explosive limit - lower:</b>	Not applicable
<b>Flash Point:</b>	Not applicable (solid)
<b>Self Ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	> 3,632 °F/> 2,000 °C
<b>pH:</b>	6.0 - 8.0 (DIN / ISO 787 / 9) (50 g/l, 20 °C) Suspension
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	Not applicable solid
<b>Kinematic viscosity:</b>	Not applicable solid
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	> 1 mg/l
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable
<b>Vapor pressure:</b>	Not applicable
<b>Relative density:</b>	No data available.
<b>Density:</b>	Approximate 2 g/cm <sup>3</sup> (68 °F/20 °C)
<b>Bulk density:</b>	No data available.
<b>Vapor density (air=1):</b>	No data available.
<b>Other information</b>	
<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 temperature:</b>	Not applicable
<b>Dust explosion properties:</b>	Not dust explosive
<b>Evaporation Rate:</b>	Not applicable
<b>Minimum ignition energy:</b>	Not applicable

## 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.
<b>Conditions to avoid:</b>	No specific hazards are known.
<b>Incompatible Materials:</b>	None known.

**Hazardous Decomposition Products:**

None known.

## 11. Toxicological information

**General information:** Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.

### Information on toxicological effects

#### Information on likely routes of exposure

**Inhalation:** Information on effects are given below.

**Skin Contact:** Information on effects are given below.

**Eye contact:** Information on effects are given below.

**Ingestion:** Information on effects are given below.

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

##### Oral

**Product:** LD 50 (Rat): > 5,000 mg/kg (analogous OECD method) comparable product, Based on available data, the classification criteria are not met.

##### Dermal

**Product:** LD 50 (Rabbit): > 5,000 mg/kg comparable product, Based on available data, the classification criteria are not met.

##### Inhalation

**Product:** No data available.

##### Components:

Silicon dioxide, chemically prepared (CAS 112926-00-8 resp. 7631-86-9) Not toxic after single exposure; Not applicable, Vapour Not toxic after single exposure; No data available., Dusts, mists and fumes

#### Repeated dose toxicity

**Product:** No data available.

#### Skin Corrosion/Irritation

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

#### Serious Eye Damage/Eye Irritation

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

#### Respiratory or Skin Sensitization

**Product:** Not known.

#### Carcinogenicity

**Product:** Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA. No evidence that cancer may be caused.

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

no evidence of mutagenic effects

**In vitro****Product:** No data available.**In vivo****Product:** No data available.**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**Information on health hazards****Other hazards****Product:** No toxicological tests are available on the product.;**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** LC 50 (Brachydanio rerio (zebrafish), 96 h): > 10,000 mg/l The reported toxic effects relate to the nominal concentration.**Aquatic Invertebrates****Product:** EC 50 (Daphnia magna, 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**Chronic hazards to the aquatic environment:****Fish**

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**Product:** No data available.**Aquatic Invertebrates****Product:** No data available.**Toxicity to Aquatic Plants****Product:** No data available.**Toxicity to microorganisms****Product:** No data available.**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:****Product** No remarkable mobility in soil is to be expected.**Results of PBT and vPvB assessment:****Product** No data available.**Other adverse effects:****Other hazards****Product:** An Expert Judgment stated that no classification is necessary based on present knowledge.**Additional Information:** No ecotoxicological data is available for this product.**13. Disposal considerations****Disposal methods:** Waste must be disposed of in accordance with federal, provincial and local regulations.**Contaminated Packaging:** Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.**14. Transport information****Domestic regulation****49 CFR**

Not regulated as a dangerous good



Product name: SPHERILEX® DP-0115

**International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

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****US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories**

Not classified

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances****US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

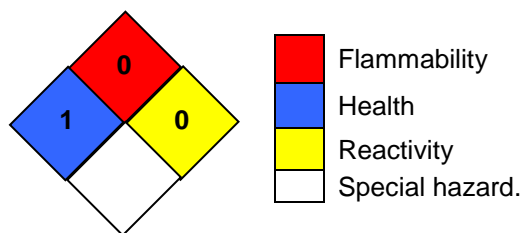
None present or none present in regulated quantities.

**US State Regulations****US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**16. Other information, including date of preparation or last revision**

### NFPA Hazard ID



Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date:** 05/02/2019

**Version #:** 1.7

**Further Information:** No data available.

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

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