

SAFETY DATA SHEET

1. Identification

Product identifier: SIPERNAT® 383 DS

Chemical name: Silicon dioxide, chemically prepared

Other means of identification

Recommended use: Defoamant

Recommended restrictions: Not known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik India Pvt Ltd
Krislon House, Saki Vihar Road,
Sakinaka, Andheri (East)
Mumbai - 400072
Maharashtra, India

Telephone : +91 22 6723 8800

E-mail : sds-hu@evonik.com

Emergency telephone number:

24-Hour Health : 000-800-100-7141
Emergency

2. Hazard(s) identification

According to Hazardous Products Regulations
Not classified

Label Elements

Hazard Symbol:	No symbol
Signal Word:	No signal word.
Hazard Statement:	Not applicable
Precautionary Statements	Not a hazardous substance or mixture.

Other hazards: No data available.

3. Composition/information on ingredients

Chemical name:

Silicon dioxide, chemically prepared

Substances

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

* 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 victims into fresh air.
Skin Contact:	Wash off with plenty of water and soap.
Eye contact:	Possible discomfort is due to foreign substance effect. Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.
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:	No data available.

Most important symptoms/effects, acute and delayed

Symptoms:	None known.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	No data available.
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5. Fire-fighting measures
Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, foam, CO ₂ , dry powder. Adapt fire-extinguishing measures to surroundings
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Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical: None known.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for fire-fighters: No data available.

6. Accidental release measures

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

Methods and material for containment and cleaning up: Sweep up or vacuum up spillage and collect in suitable container for disposal.

Environmental Precautions: Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.

7. Handling and storage

Precautions for safe handling: 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. If necessary: Local ventilation.

Conditions for safe storage, including any incompatibilities: Keep in a dry place. Take precautionary measures against static discharges.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
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Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information:	No data available.
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, leather. Additional Information: The material thickness and rupture time data do not apply to non-solute solids / dusts.
Other:	No special protective equipment required.
Respiratory Protection:	No special protective equipment required. If dust occurs: Dust mask with P2 particle filter
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.

9. Physical and chemical properties
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Appearance

Physical state:	solid
Form:	Powder
Color:	White
Odor:	odourless
Odor Threshold:	Not applicable
pH:	approx. 8,3 (50 g/l, 20 °C) Suspension
Melting Point:	approx. 1.700 °C
Boiling Point:	Not determined.
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Flammability (solid, gas):	Not applicable
Flammability Limit - Upper (%):	Not applicable
Flammability Limit - Lower (%):	Not applicable
Vapor pressure:	Not applicable
Vapor density (air=1):	No data available.
Density:	approx. 2 g/cm ³ (20 °C)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	hardly soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Autoignition Temperature:	Not applicable
Decomposition Temperature:	> 2.000 °C
Kinematic viscosity:	No data available.
Dynamic viscosity:	Not applicable
Explosive properties:	Not to be expected in view of the structure

Oxidizing properties: Not to be expected in view of the structure

Other information

Dust Explosion Limit, Upper: Not applicable

Dust Explosion Limit, Lower: Not applicable

Minimum ignition energy: Not applicable

Minimum ignition temperature: Not applicable

Self Ignition Temperature: Not applicable

10. Stability and reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No hazardous reactions are known if properly handled and stored.

Conditions to avoid: No specific hazards are known.

Incompatible Materials: 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 likely routes of exposure

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)****Oral**

Product: LD 50 (Rat): > 5.000 mg/kg
comparable product

Dermal

Product: LD 50 (Rabbit): > 5.000 mg/kg
comparable product

Inhalation

Product: LC0 (Rat): 0,69 mg/l
No deaths occurred.
comparable product

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Not irritating

Product

analogous OECD method (Rabbit): Not irritating
comparable product

Serious Eye Damage/Eye Irritation

Not irritating

Product:

analogous OECD method (Rabbit): Not irritating
comparable product

Respiratory or Skin Sensitization**Product:**

Not known.

Carcinogenicity**Product:**

No data available.

Specified substance(s):

Silicon dioxide,
chemically prepared
(CAS 112926-00-8 resp.
7631-86-9)

No evidence that cancer may be caused.

Germ Cell Mutagenicity**In vitro****Product:** No data available.**In vivo****Product:** No data available.**Reproductive toxicity****Product:** No data available.**Specified substance(s):**Silicon dioxide,
chemically prepared
(CAS 112926-00-8 resp.
7631-86-9) 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.

12. Ecological information**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.**Aquatic Invertebrates****Product:** EC 50 (Daphnia magna, 24 h): > 1.000 mg/l The reported toxic effects relate to the nominal concentration.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.

Aquatic Invertebrates**Product:** No data available.**Toxicity to Aquatic Plants****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:**

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:**

No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. Can be disposed of with domestic refuse in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.

Contaminated Packaging:

Offer rinsed packaging material to local recycling facilities. Other countries: observe the national regulations.

14. Transport information**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

International regulations

Montreal protocol

Stockholm convention

Rotterdam convention

Kyoto protocol

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

Issue Date:	27.11.2019
Version #:	1.0
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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