SAFETY DATA SHEET

1. Identification

Product identifier: SIPERNAT® D 10

Other means of identification
CAS Number: 67762-90-7

Recommended use of the chemical and restrictions on use
Recommended use: Anticaking agent
Defoamant
Flow-promoting agent.
Restrictions on use: Not determined.

Manufacturer/Importer/Distributor Information

Company Name	:	Evonik Operations GmbH Rellinghauser Str. 1-11 45128 Essen Germany
Telephone	:	+49 6181 59 4787
E-mail	:	sds-hu@evonik.com

Emergency telephone number:

24 Hour Emergency Telephone	:	+49 7623 919191(24h)

2. Hazard(s) identification

Classification according to GHS
Not classified

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statements Not applicable

Other hazards: No data available.

3. Composition/information on ingredients

Substances

Chemical Identity	Common name and synonyms	CAS-No.	Content in percent (%)*
Silicones and siloxanes, dimethyl-, reaction products with silica	Siloxanes and Silicones	67762-90-7	

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

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of 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: 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 and effects, both 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

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Water spray, foam, CO2, dry powder. Adapt fire-extinguishing measures to surroundings

Unsuitable extinguishing media: Do not use full-force water jet in order to avoid dispersal and spread of the fire.

Special hazards arising from the substance or mixture: May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

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:	In the case of fire, wear respiratory protective equipment independent of surrounding air and chemical protective suit.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Avoid dust formation.
Accidental release measures:	No data available.
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

Handling

Technical measures:	Ensure suitable suction/aeration at the work place and with operational machinery.
Local/Total ventilation:	No data available.
Safe handling advice:	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. For personal protection see section 8.Avoid dust formation.Take precautionary measures against static discharges.
Contact avoidance measures:	No data available.

Storage

Safe storage conditions:	Take precautionary measures against static discharges.Keep in a dry place.Store in accordance with local/regional/national/international regulations.
Safe packaging materials:	No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits
Observe national threshold limit values.

Biological Limit Values
Observe national threshold limit values.

Appropriate Engineering Controls Ensure suitable suction/aeration at the work place and with operationalmachinery.Local ventilation if necessary. see also section 7.

Individual protection measures, such as personal protective equipment (PPE)

General information: No data available.

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

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., Selection of protective gloves to meet the requirements of specific workplaces., The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Other: No special protective equipment required. Preventive skin protection

Respiratory Protection: 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

Information on basic physical and chemical properties

Appearance

Physical state: solid

Form: Powder

Color: White

Odor: Odorless

Odor Threshold: Not applicable

Melting Point: Not applicable Decomposition

Boiling Point: Not applicable Decomposition

Flammability: No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point:	Not applicable (solid)
Auto-ignition temperature:	Data from a comparable product: 500 °C/932 °F Method: VDI 2263
Decomposition Temperature:	> 300 °C/> 572 °F
pH:	Approximate 10,3 (20 °C/68 °F) Method: DIN / ISO 787 / 9 Concentration: 50 g/l 1: 1 in suspension
Viscosity	
Dynamic viscosity:	Not applicable (solid)
Kinematic viscosity:	Not applicable (solid)
Flow Time:	No data available.
Solubility(ies)	
Solubility in Water:	hardly soluble
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable
Vapor pressure:	Not applicable
Relative density:	No data available.
Density:	Approximate 2 g/cm3 (20 °C/68 °F)
Bulk density:	No data available.
Vapor density (air=1):	Not applicable
Particle characteristics:	No data available.

Other information

Explosive properties:	Not to be expected in view of the structure
Oxidizing properties:	Not to be expected in view of the structure
Self-ignition:	Not capable of spontaneous combustion or heating.
Peroxides:	Not applicable
Dust explosion properties:	Not dust explosive
Evaporation Rate:	Not applicable
Minimum ignition energy:	Method: VDI 2263 > 10 Joule

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:	Hydrophobic properties disappear at temperatures > 300°C
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Carbon Monoxide. Carbon Dioxide. organic products of decomposition Stable under normal conditions. Product will not undergo hazardous polymerization.

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:	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.

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.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50, Rat, Female, Male, > 5.000 mg/kg, OECD 401, Based on available data, the classification criteria are not met.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	LD 50, Rat, Female, Male, > 5.000 mg/kg, OECD 401, (analogy)

Dermal

Product:	LD 50, Rabbit, > 5.000 mg/kg, Based on available data, the classification criteria are not met.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	LD 50, Rabbit, > 5.000 mg/kg, (analogy)

Inhalation

Product:	LC 50, Rat, Female, Male, 4 h, > 5,01 mg/l, OECD 436, Dust and mist, Based on available data, the classification criteria are not met.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	LC 50, Rat, Female, Male, 4 h, > 5,01 mg/l, Dust and mist, OECD 436, (analogy) Vapour, Not toxic after single exposure, Not applicable

Repeated dose toxicity

Product:	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1.000 mg/kg, No negative effects. (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1.000 mg/kg, No negative effects. (analogy)

Skin Corrosion/Irritation

Product:	Not irritant, OECD 404, (Rabbit), Based on available data, the classification criteria are not met.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Not irritating, OECD 404, Rabbit, (analogy)

Serious Eye Damage/Eye Irritation

Product:	Not irritant, analogous OECD method, Rabbit, Based on available data, the classification criteria are not met.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Not irritating, analogous OECD method, Rabbit, (analogy)

Respiratory or Skin Sensitization

Product:	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., (analogy) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., (analogy) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., (analogy)

Carcinogenicity

Product:	No evidence that cancer may be caused.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	No evidence that cancer may be caused.

Germ Cell Mutagenicity

no evidence of mutagenic effects

In vitro

Product:	gene mutation test, OECD 471: , negative, (analogy) gene mutation test, OECD 490: , negative, (analogy) Chromosomal aberration, OECD 473: , negative, (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	gene mutation test, OECD 471: , negative, (analogy) gene mutation test, OECD 490: , negative, (analogy) Chromosomal aberration, OECD 473: , negative, (analogy)

In vivo

Product:	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative, (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Chromosomal aberration, OECD 475, Oral, Rat, Male, negative, (analogy)

Reproductive toxicity

Product:	no evidence of reproductiontoxic properties
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	no evidence of reproductiontoxic properties

Specific Target Organ Toxicity - Single Exposure

Product:	no evidence for hazardous properties
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	no evidence for hazardous properties

Specific Target Organ Toxicity - Repeated Exposure

Product:	no evidence for hazardous properties
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	no evidence for hazardous properties

Aspiration Hazard

Product:	Not applicable
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Not applicable

Information on health hazards

Other hazards

Product:	Based on available data, the classification criteria are not met.

12. Ecological information

Ecotoxicity:

Toxicity to Aquatic Plants

Product:	EC 50, Desmodesmus subspicatus (green algae), 72 h, > 173 mg/l, OECD 201, (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	EC 50, Desmodesmus subspicatus (green algae), 72 h, > 173 mg/l, OECD 201, (analogy)

Toxicity to microorganisms

Product:	EC 50, local activated sludge, 3 h, > 2.500 mg/l, OECD 209, (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	EC 50, local activated sludge, 3 h, > 2.500 mg/l, OECD 209, (analogy)

Acute hazards to the aquatic environment:

Fish

Product:	LC 50, (Brachydanio rerio), 96 h, > 10.000 mg/lOECD 203, The reported toxic effects relate to the nominal concentration. (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	LC 50, (Brachydanio rerio), 96 h, > 10.000 mg/lOECD 203, The reported toxic effects relate to the nominal concentration. (analogy)

Aquatic Invertebrates

Product:	EC 50, Daphnia magna, 24 h, > 1.000 mg/lOECD 202, The reported toxic effects relate to the nominal concentration. (analogy)
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	EC 50, Daphnia magna, 24 h, > 1.000 mg/lOECD 202, The reported toxic effects relate to the nominal concentration. (analogy)

Chronic hazards to the aquatic environment:

Fish
No data available.

Aquatic Invertebrates
No data available.

Persistence and Degradability

Biodegradation

Product:	The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	The methods designed to assess persistence and biodegradability are not applicable to this product, in analogy to inorganic substances.

BOD/COD Ratio
No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product:	Not to be expected.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Not to be expected.

Partition Coefficient n-octanol / water (log Kow)

Product:	Not applicable
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	Not applicable

Mobility in soil:

Product:	No remarkable mobility in soil is to be expected.
Components:	
Silicones and siloxanes, dimethyl-, reaction products with silica	No remarkable mobility in soil is to be expected.

Other adverse effects:

Additional ecological information

Product: The data we have at our disposal do not necessitate identification concerning environmental hazard.

13. Disposal considerations

Disposal methods: Review all local, state and federal regulations concerning health and pollution for appropriate disposal procedures.

Contaminated Packaging: Do not reuse empty containers and dispose of in accordance with the regulations issued by the appropriate local authorities. Incorrect disposal or reuse of this container is illegal and can be dangerous. Observe 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
Not applicable

Stockholm convention
Not applicable

Rotterdam convention
Not applicable

Kyoto protocol
Not applicable

Inventory Status:

Taiwan Chemical Substance	On or in compliance with the inventory

Inventory:	Pre-registration is requested for specific importer.
Australia Industrial Chem. Act (AIIC):	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Canada NDSL Inventory:	Not in compliance with the inventory.
Ontario Inventory:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Mexico INSQ:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory Commercial Status: Active
Switzerland New Subs Notified/Registered:	On or in compliance with the inventory
Thailand Existing Chemical Inv. List:	Not in compliance with the inventory.
Vietnam National Chemical Inventory:	On or in compliance with the inventory
EINECS, ELINCS or NLP:	On or in compliance with the inventory EU-REACH compliant for Evonik Operations GmbH and its affiliates as EU manufacturer/EU importer.

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

Version #: 1.7

Revision Date: 23.05.2025

Abbreviations and acronyms:

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and

Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further Information: No data available.

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

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