

Product name: AERODISP® W 7520 N

SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name:
AERODISP® W 7520 N

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Coating agent

Uses advised against: Not determined.

1.3 Details of the supplier of the safety data sheet

Company Name : Evonik Operations GmbH
Rellinghauser Str. 1-11
45128 Essen
Germany

Telephone : +49 6181 59 4787

E-mail : sds-hu@evonik.com

1.4 Emergency telephone number:

24-Hour Health Emergency : +49 7623 919191

National Poison Information Service (NPIS)
England, Scotland and Wales: NHS: 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567
Not classified

2.2 Label Elements Not applicable

Product name: AERODISP® W 7520 N

2.3 Other hazards

PBT/vPvB data

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	UK-REACH Registration No.	REACH Registration No.	M-Factor:	Notes
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)		112945-52-5	231-545-4	UK-01-250993046-1-7	01-211937949-9-16	No data available.	#

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

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)	Classification: None known. Supplemental label information: None known.	Not applicable

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	If aerosol or mists are formed: Move to fresh air.
Skin Contact:	Wash off with plenty of water and soap.
Eye contact:	Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.
Ingestion:	Have the mouth rinsed with water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

4.2 Most important symptoms and effects, both acute and delayed

Product name: AERODISP® W 7520 N

Symptoms: None known.

Hazards: None known.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, CO₂, 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.

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

5.3 Advice 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.

SECTION 6: Accidental release measures

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

6.1.1 For non-emergency personnel: No data available.

6.1.2 For emergency responders: No data available.

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

6.3 Methods and material for containment and cleaning up: Pick up mechanically with an adsorbent and collect in a suitable container. Rinse with water in suitable containers.

6.4 Reference to other sections: For personal protection see section 8. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: Ensure suitable suction/aeration at the work place and with operational machinery.

Product name: AERODISP® W 7520 N
Local/Total 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. Stir well before use. Always close container tightly after removal of product.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities
Safe storage conditions: Avoid frost. Keep container tightly closed.

Safe packaging materials: No data available.

7.3 Specific end use(s): Applications; see Section 1. No further information available

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
Occupational Exposure Limits

Chemical name	Type	Form of exposure	Exposure Limit Values	Source
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)	TWA	Inhalable dust.	6 mg/m ³	EH40 WEL (12 2011)
	TWA	Respirable dust.	2.4 mg/m ³	EH40 WEL (12 2011)

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).

8.2 Exposure controls
Appropriate Engineering Controls: Ensure suitable suction/aeration at the work place and with operational machinery.

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

Product name: AERODISP® W 7520 N

Hand Protection:	<p>Material: Nitrile rubber. Break-through time: >= 480 min Glove thickness: 0.35 mm Additional Information: Wear protective gloves made of resistant material.</p> <p>Material: Natural rubber. Break-through time: >= 480 min Glove thickness: 0.5 mm</p> <p>Material: PVC Break-through time: >= 480 min Glove thickness: 0.5 mm Additional Information: Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature)., The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove., The suitability for a specific workplace should be discussed with the producers of the protective gloves.</p>
Skin and Body Protection:	No special protective equipment required.
Respiratory Protection:	In case of breathable aerosols/vapors: Respirator 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.
Environmental Controls:	see section 6.

SECTION 9: Physical and chemical properties
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9.1 Information on basic physical and chemical properties
Appearance

Physical state:	liquid
Form:	Suspension
Color:	White
Odor:	Odorless
Odor Threshold:	Not applicable
Freezing point:	Approximate 0 °C tested substance: Water.
Boiling Point:	Approximate 100 °C tested substance: Water.

Flammability: not flammable

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	not relevant, since based on water
Explosive limit - lower:	not relevant, since based on water
Flash Point:	not relevant, since based on water

Product name: AERODISP® W 7520 N

Auto-ignition temperature:	Not applicable
Decomposition Temperature:	≥ 100 °C
pH:	9.5 - 10.5 at 20 °C
Viscosity	
Dynamic viscosity:	< 500 mPa.s at 20 °C
Kinematic viscosity:	No data available.
Solubility(ies)	
Solubility in Water:	partly miscible
Partition coefficient (n-octanol/water):	Not applicable
Vapor pressure:	Approximate 23.5 hPa at 20 °C tested substance: Water.
Relative density:	No data available.
Density:	Approximate 1.12 g/cm ³ at 20 °C
Bulk density:	Not applicable
Relative vapor density:	No data available.

9.2 Other information

Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Self-ignition:	does not ignite
Peroxides:	Not applicable
Minimum ignition energy:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:	No dangerous reaction known under conditions of normal use.
10.2 Chemical Stability:	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions:	None if processed as per stipulations
10.4 Conditions to avoid:	Protect from frost.
10.5 Incompatible Materials:	None known.
10.6 Hazardous Decomposition Products:	No decomposition if stored and applied as directed. Stable under normal conditions. Product will not undergo hazardous polymerization.

SECTION 11: Toxicological information

General information:	Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product.
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Product name: AERODISP® W 7520 N

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

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, Literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401
chemically prepared
(CAS 112945-52-5 resp.
7631-86-9)

Dermal

Product: LD 50, Rabbit, > 5,000 mg/kg, Literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, LD 50, Rabbit, > 5,000 mg/kg
chemically prepared
(CAS 112945-52-5 resp.
7631-86-9)

Inhalation

Product: LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436, Literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436
chemically prepared Vapour, Not toxic after single exposure, Not applicable
(CAS 112945-52-5 resp.
7631-86-9)

Repeated dose toxicity

Product: no evidence for hazardous properties
No irreversible changes and no indication of silicosis.

Components:

Silicon dioxide, NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No
chemically prepared negative effects.
(CAS 112945-52-5 resp.
7631-86-9)

Skin Corrosion/Irritation

Product: (Rabbit), Not irritating, Literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, chemically Not irritating, OECD 404, Rabbit
prepared (CAS 112945-
52-5 resp. 7631-86-9)

Serious Eye Damage/Eye Irritation

Product name: AERODISP® W 7520 N

Product: Rabbit, Not irritating, Literature tested substance: Silicon dioxide, derived from chemical synthesis

Components:
Silicon dioxide, chemically Not irritating, analogous OECD method, Rabbit prepared (CAS 112945-52-5 resp. 7631-86-9)

Respiratory or Skin Sensitization

Product: Not known.

Components:
Silicon dioxide, chemically Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin prepared (CAS 112945-52-5 resp. 7631-86-9) sensitizer.
Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

Carcinogenicity

Product: No data available.

Components:
Silicon dioxide, chemically No evidence that cancer may be caused. prepared (CAS 112945-52-5 resp. 7631-86-9)

Germ Cell Mutagenicity

In vitro

Product: no evidence of mutagenic effects Literature tested substance: Silicon dioxide, derived from chemical synthesis

Components:
Silicon dioxide, chemically gene mutation test, OECD 471: , negative prepared (CAS 112945-52-5 resp. 7631-86-9) gene mutation test, OECD 490: , negative
Chromosomal aberration, OECD 473: , negative

In vivo

Product: no evidence of mutagenic effects Literature tested substance: Silicon dioxide, derived from chemical synthesis

Components:
Silicon dioxide, chemically Chromosomal aberration, OECD 475, Oral, Rat, Male, negative prepared (CAS 112945-52-5 resp. 7631-86-9)

Reproductive toxicity

Product: No data available.

Components:
Silicon dioxide, chemically no evidence of reproductiontoxic properties prepared (CAS 112945-52-5 resp. 7631-86-9)

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Silicon dioxide, chemically no evidence for hazardous properties prepared (CAS 112945-52-5 resp. 7631-86-9)

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Silicon dioxide, chemically no evidence for hazardous properties prepared (CAS 112945-52-5 resp. 7631-86-9)

Product name: AERODISP® W 7520 N

Aspiration Hazard

Product: No data available.

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) Not applicable

11.2 Information on other hazards

Other information

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

SECTION 12: Ecological information

12.1 Toxicity:

Acute hazards to the aquatic environment:

Fish

Product: LC 50, Brachydanio rerio (zebrafish), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration. tested substance: Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration.

Aquatic Invertebrates

Product: EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. tested substance: Silicon dioxide, derived from chemical synthesis

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209

Product name: AERODISP® W 7520 N

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Silicon dioxide, No data available.
 chemically prepared
 (CAS 112945-52-5 resp.
 7631-86-9)

Aquatic Invertebrates

Product: No data available.

Components:

Silicon dioxide, No data available.
 chemically prepared
 (CAS 112945-52-5 resp.
 7631-86-9)

Toxicity to Aquatic Plants

Product: No data available.

Components:

Silicon dioxide, No data available.
 chemically prepared
 (CAS 112945-52-5 resp.
 7631-86-9)

Toxicity to microorganisms

Product: No data available.

Components:

Silicon dioxide, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209
 chemically prepared
 (CAS 112945-52-5 resp.
 7631-86-9)

12.2 Persistence and Degradability

Biodegradation

Product: The methods for determining biodegradability are not applicable to inorganic substances.

Components:

Silicon dioxide, chemically The methods for determining biodegradability are not applicable to
 prepared (CAS 112945- inorganic substances.
 52-5 resp. 7631-86-9)

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: Not to be expected.

Components:

Silicon dioxide, chemically Not to be expected.
 prepared (CAS 112945-
 52-5 resp. 7631-86-9)

Partition Coefficient n-octanol / water (log Kow)

Product: Not applicable

Components:

Silicon dioxide, chemically , Not applicable
 prepared (CAS 112945-
 52-5 resp. 7631-86-9)

Product name: AERODISP® W 7520 N

12.4 Mobility in soil:

Product No remarkable mobility in soil is to be expected.

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) No remarkable mobility in soil is to be expected.

12.5 Results of PBT and vPvB assessment:

Product This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Components:

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9) No data available.

12.6 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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: No data available.

Disposal methods: Can be disposed of with domestic refuse following solidification in accordance with the necessary technical regulations following consultation with waste disposal expert(s) and the responsible authorities. 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. 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.

SECTION 14: Transport information

14.1 UN/ID No.

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

Product name: AERODISP® W 7520 N

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

EU Regulations

EU. REACH Annex XIV, Substances Subject to Authorization: None present or none present in regulated quantities.

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC): None present or none present in regulated quantities.

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: Not applicable

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

International regulations

Montreal protocol

Not applicable

Product name: AERODISP® W 7520 N
Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information
Abbreviations and acronyms:

 EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended
 EH40 WEL / TWA: Time Weighted Average (TWA):

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; 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; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; 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; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Notes:

Not applicable	Not applicable
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Key literature references and sources for data: No data available.

Wording of the statements in section 2 and 3

: none

Training 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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This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.