

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: AERODISP® W 7520

Other means of identification

None.

Recommended restrictions

Recommended use: Coating agent

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

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

Telephone : +1 732 981 5000

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

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)		112945-52-5	20%

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

Composition Comments: A new CAS , 112945-52-5, has been assigned to amorphous, fumed silica to distinguish it from crystalline silica. According to the EPA, this product meets TSCA requirements and is listed on the TSCA inventory as silica with CAS 7631-86-9.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

Inhalation: If aerosol or mists are formed: Take affected persons out into the fresh air.

Skin Contact: Gently wash with plenty of soap and water.

Eye contact: In case of contact, immediately flush eyes with plenty of water. Obtain medical attention if irritation develops.

Ingestion: If accidentally swallowed, rinse mouth thoroughly with water and afterwards, drink plenty of water. In case of discomfort, obtain medical attention.

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

Suitable (and unsuitable) extinguishing media

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

Product name: AERODISP® W 7520

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: No data available.

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.

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

Environmental Precautions: Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

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 the workplace threshold limit value is exceeded and/or the substance is released, use appropriate respiratory protection. Stir and/or shake well before use. Always close container tightly after removal of product.

Contact avoidance measures: No data available.

Storage

Safe storage conditions: Keep container tightly closed. Protect material from freezing and observe specified storage time because of re-agglomeration.

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 112945-52-5 resp. 7631-86-9)	PEL	6 mg/m ³	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: Use chemical splash goggles or face shield.

Skin Protection

Hand Protection:

Material: Nitrile rubber.

Break-through time: \geq 480 min

Additional Information: Wear protective gloves made of resistant material. Material: Natural rubber.

Break-through time: \geq 480 min

Material: PVC

Break-through time: \geq 480 min

Additional Information: The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use., Suitability for specific workplaces should be clarified with protective glove manufacturers., Use impermeable gloves.

Skin and Body Protection:

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.

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.

9. Physical and chemical properties**Information on basic physical and chemical properties****Appearance**

Physical state:	liquid
Form:	Suspension
Color:	White
Odor:	slightly like ammonia
Odor Threshold:	Not determined.
Freezing point:	Approximate 32 °F/0 °C tested substance: Water.
Boiling Point:	Approximate 212 °F/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

Self Ignition Temperature: Not applicable

Decomposition Temperature: ≥ 212 °F/ ≥ 100 °C

pH: 9.5 - 10.5 (68 °F/20 °C)

Viscosity

Dynamic viscosity: < 500 mPa.s (68 °F/20 °C)

Kinematic viscosity: No data available.

Flow Time: Not applicable

Solubility(ies)

Solubility in Water: partly miscible

Solubility (other): No data available.

Partition coefficient (n-octanol/water): Not applicable

Vapor pressure: Approximate 23.5 hPa (68 °F/20 °C) tested substance: Water.

Relative density: Not applicable

Density: Approximate 1.12 g/cm³ (68 °F/20 °C)

Bulk density:

Relative vapor density: Not applicable

Particle characteristics

Particle Size Distribution: Not applicable

Specific surface area: Not applicable

Surface charge/Zeta potential: Not applicable

Assessment: Not applicable

Shape: Not applicable

Crystallinity: Not applicable

Surface treatment: Not applicable

Other information

Explosive properties: not explosive

Oxidizing properties: The substance or mixture is not classified as oxidizing.

Minimum ignition temperature: does not ignite

Evaporation Rate: No data available.

Minimum ignition energy: 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: Protect from frost.

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

11. Toxicological information

General information: Silicosis or other product specific illnesses of the respiratory tract have not been reported.

Information on likely routes of exposure

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

Dermal

Product: LD 50 (Rabbit): 5,000 mg/kg literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Inhalation

Product: LC 0 (Rat): 0.139 mg/l (maximum concentration attainable in experiments), No deaths occurred., literature, tested substance:, Silicon dioxide, derived from chemical synthesis

Repeated dose toxicity

Product: No negative effects.
No irreversible changes and no indication of silicosis.

Skin Corrosion/Irritation

Product: Not irritating (Rabbit): Not irritating; literature

Serious Eye Damage/Eye Irritation

Product: Not irritating Rabbit: Not irritating literature

Respiratory or Skin Sensitization**Product:** No data available.**Carcinogenicity****Product:** Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.**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**In vitro****Product:** no evidence of mutagenic effects literature tested substance: Silicon dioxide, derived from chemical synthesis;**In vivo****Product:** No evidence of mutagenic effects reported in literature.**Reproductive toxicity****Product:** No data available.**Components:**Silicon dioxide, no evidence of reproductiontoxic properties
chemically prepared
(CAS 112945-52-5 resp.
7631-86-9)**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Components:**Silicon dioxide, Not applicable
chemically prepared
(CAS 112945-52-5 resp.
7631-86-9)**Information on health hazards****Other hazards****Product:** No data available.**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. tested substance: silica

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 24 h): > 1,000 mg/l The reported toxic effects relate to the nominal concentration. tested substance: silica

Toxicity to Aquatic Plants

Product: No data available.

Toxicity to microorganisms

Product: No data available.

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.

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 A PBT/vPvB evaluation is not available, since a chemical safety evaluation is not required / has not been carried out.

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, state, provincial and local regulations.

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

14. Transport information

Domestic regulation

49 CFR

Not regulated as a dangerous good

Remarks : Not dangerous according to transport regulations.

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

Product name: AERODISP® W 7520

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. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required**

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.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List**Chemical Identity**

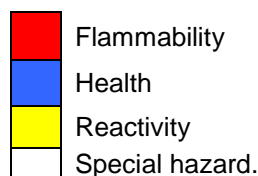
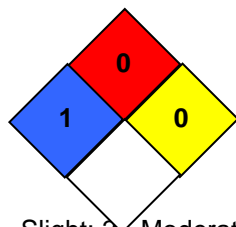
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)

US. Pennsylvania RTK - Hazardous Substances**Chemical Identity**

Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

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: 02/19/2021**Version #:** 1.2**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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