



SAFETY DATA SHEET

U.S. Department of Labor
Occupational Safety & Health Administration

Matte Finish Additive

SECTION 1 - IDENTIFICATION

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PRODUCT IDENTIFIER: Matte Finish Additive
RECOMMENDED USE: Flattening Gloss Finishes

SECTION 2 – HAZARD IDENTIFICATION

HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

Skin: Not a hazardous substance or mixture.
Eyes: Not a hazardous substance or mixture.
Inhalation: Not a hazardous substance or mixture.
Ingestion: Not a hazardous substance or mixture.

SIGNAL WORD: No hazard in normal industrial use.

HAZARD STATEMENTS: No hazard in normal industrial use.

PICTOGRAMS: None necessary

PRECAUTIONARY STATEMENTS:

Prevention: Do Not handle until all safety precautions have been read and understood.

Response:

- **Skin:** Wash with plenty of water.
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do and continue rinsing. If eye irritation persists get medical advice/attention.
- **Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- **Ingestion:** Rinse mouth.

Storage:

- Store in a dry place. Store in a closed container.

Disposal:

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

SECTION 3 – COMPOSITION

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
Silicon dioxide, chemically prepared	112945-52-5 7631-86-9	100

Other information

CAS #, 112945-52-5, has been assigned to Amorphous Pyrogenic Silica to distinguish it from crystalline. According to EPA, this product meets TSCA requirements and is listed on the TSCA inventory as silica, CAS # 7631-86-9.

SECTION 4 – FIRST AID MEASURES

Skin: Wash off with soap and plenty of water.

Eyes:

- 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.

Inhalation:

- In case product dust is released; possible discomfort is cough and/or sneezing.
- Move victims into fresh air.

Ingestion:

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

Most important symptoms and effects, both acute and delayed symptoms: None known

Indication of any immediate medical attention and special treatment needed: No hazards which require special first aid measures.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing media:

- Water spray, foam, CO₂, dry powder
- Adapt fire -extinguishing measures to surroundings.
- **Do Not** use full -force water jet in order to avoid dispersal and spread of the fire.

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

Unusual fire & explosion hazards: None known.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective equipment.

Cleanup procedures:

- Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Obey relevant local, state, provincial and federal laws and regulations.
- Do not contaminate any lakes, streams, ponds, groundwater or soil.

SECTION 7 – HANDLING & STORAGE

Precautions for safe handling: Use with adequate ventilation.

Recommendations on the conditions for safe storage:

- Take precautionary measures against static discharges.
- Keep containers tightly closed in a dry, cool place.

Dust explosion class:

- 1 m³ vessel = not dust explosive
- VDI Guideline 2263 sheet 1

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION:

Exposure limits:

CHEMICAL NAME	PEL (TWA: Z3)
Silicon dioxide, chemically prepared (The exposure limit is calculated from the equation, 80/(%SiO ₂), using a value of 100% SiO ₂ . Lower values of % SiO ₂ will give higher exposure limits)	Control parameters: 20millions of particles per cubic foot of air Control parameters: 0.8 mg/m ³

Engineering controls: Ensure adequate ventilation, especially in confined areas.

Inhalation 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.

Eye protection:

- Wear safety glasses with side shields.
- In case dusts are formed, wear close fitting protective goggles.

Skin and body protections:

- Use impermeable gloves.
- 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.

Other hygienic practices and protective equipment:

- 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.
- 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.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: White powder

Physical state: Solid

Color: White

Odor: Odorless

Odor threshold: Not applicable.

pH: ca. 6.5 (50 g / l) (20 °C); Method: DIN / ISO 787 / 9 (suspension)

Melting point/freezing point: ca. 1700°C

Initial boiling point and boiling range: Not determined.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits: Not applicable.

Vapor pressure: Not applicable

Vapor density: Not applicable

Relative density: ca. 2.2 g/cm³ (20 °C); Method: DIN / ISO 787 / 10

Solubility: >1 mg/l

Partition coefficient: n-octanol/water: Not applicable.

Auto-ignition temperature: Not applicable.

Decomposition temperature: >1700°C

Viscosity: Not applicable.

Other information:

Explosiveness: Not to be expected in view of the structure.

Minimum ignition energy: Not applicable.

Tapped density: ca. 50 g / l; Method: DIN / ISO 787/11

SECTION 10 – STABILITY AND REACTIVITY

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

Chemical stability:

- Stable under recommended storage conditions.
- Product will not undergo hazardous polymerization.

Incompatibility (materials to avoid): None known

Hazardous decomposition products: None known

Conditions to avoid: No specific hazards are known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin irritation: Rabbit

- Not irritating
- Method: analogous OECD method

Eye irritation: Rabbit

- Not irritating
- Method: analogous OECD method

Sensitization: Not known.

Assessment of STOT single and repeat exposure: No evidence for hazardous properties.

Acute toxicity:

CHEMICAL NAME	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC0 (rat)
Silicon dioxide, chemically prepared	> 5000 mg/kg Method: OECD Test Guideline 401	> 5000 mg/kg comparable product	0.139 mg/l / 4 h comparable product Method: analogous OECD method (maximum concentration attainable in experiments) No deaths occurred.

Potential health effects:

CHEMICAL NAME	Aspiration toxicity	Mutagenicity Assessment	Carcinogenicity	Carcinogenicity Assessment	Reproduction Toxicity	Human
Silicon dioxide, chemically prepared	No aspiration toxicity classification	No evidence of mutagenic effects	No evidence that cancer may be caused	Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA	No evidence of reproduction toxic properties	Silicosis or other product specific illnesses of the respiratory tract were not observed in association with the product

Further information: The classification criteria are not met based on the available data

SECTION 12 – ECOLOGICAL INFORMATION

Data from toxicity test: The reported toxic effects relate to the nominal concentration

CHEMICAL NAME	Fish LC50	Crustacea (Aquatic Invertebrates) EC50
Silicon dioxide, chemically prepared	> 10000 mg/l / 96 h (Brachydanio rerio) Method: OECD 203	> 1000 mg/l / 24 h (Daphnia magna) Method: OECD 202

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

Bioaccumulation potential: Not to be expected.

Mobility in soil: No remarkable mobility in soil is to be expected.

Other adverse effects: The classification criteria are not met based on the available data.

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal of waste:

- Waste must be disposed of in accordance with local, state, provincial and federal laws and regulations.
- Empty containers must be handled with care due to product residue.

Disposal of contaminated packaging: Packaging material should be recycled or disposed of in accordance with federal, state and local regulations.

SECTION 14 – TRANSPORT INFORMATION

UN #	N/A
UN PROPER SHIPPING NAME:	Paint additive
HAZARD CLASS:	N/A
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	Not a marine pollutant
GUIDANCE ON TRANSPORT IN BULK:	N/A

Transport labels required: This material is not regulated by the D.O.T.

SECTION 15 – REGULATORY INFORMATION

US Federal Regulation: None listed.

US State Right to Know Regulations: None listed.

CA Prop 65: None listed.

Canada: None listed.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

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