



Printing Date: 09/01/2016

Version: 1.0

Revision Date: 09/01/2016

Trade Name: Fumed Silica

Safety Data Sheet

Version: 1.0

Product: Fumed Silica; Universal Thickening Additive

HMIS Hazard Ratings:

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

NFPA Rating:

Health Hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

1 Identification

1.1 Product Identifier: Fumed Silica

1.2 Trade Name: Fumed Silica

1.3 Application of the substance / the preparation:

Architectural Coating, thickening additive, flow-control agent

1.4 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Versatile Building Products
245 Carl Karcher Way
Anaheim, Ca 92801
U.S.A.

Information department

Health and Safety (8 AM to 5 PM-PST) 1-800-535-3325

MSDS@garagecoatings.com

1.5 Emergency telephone number:

Infotrac: (800) 535-5053

2 Hazard(s) identification

2.1 Classification of the substance or mixture

CLASSIFICATION:

OSHA 29CFR 1910.1200

Not a hazardous substance or mixture

REGULATION (EC) No 1272/2008

Not a hazardous substance or mixture

DIRECTIVES 67/548/EEC, 1999/45/EC

Not a hazardous substance or mixture

LABEL ELEMENTS:

OSHA 29CFR1910.1200

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Not a hazardous substance or mixture

3 Composition/information on ingredients

Silicon dioxide, chemically prepared CAS # 112945-52-5

Additional information: amorphous, fumed silica. According to the EPA, this product meets TS CA requirements and is listed on the TS CA inventory as silica with CAS # 7631-86-9

4 First-aid measures**4.1 Description of first aid measures**

IF IN EYES: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

IF ON SKIN: May cause irritation. Wash off with copious amounts of water and soap.

IF INHALED: May cause discomfort, coughing, and sneezing. Remove victim to fresh air and provide oxygen if breathing is difficult.

Immediate medical attention not normally required. No delayed effects expected.

IF INGESTED: Rinse mouth with copious amounts of water. Have victim drink plenty of water afterwards. In case of discomfort, seek medical attention.

INSTRUCTION FOR PHYSICIANS: No specific advice. Treat according to symptoms present.

4.2 Most important symptoms and effects, both acute and delayed

No specific symptoms and effects

5 Firefighting Measures

SUITABLE EXTINGUISHING MEDIA: Carbon Dioxide, dry chemical, foam or fine water spray. Avoid water stream on molten burning material as it may scatter and spread the fire.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing approved by NIOSH, MSHA or equivalent.

6 Accidental release measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear recommended personal protective equipment.

Sweep up or vacuum up spillage and collect in suitable container for disposal

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7 Handling and storage**7.1 Precautions for safe handling**

Use with adequate ventilation

7.2 Conditions for safe storage, including any incompatibilities

Take precautionary measures against static discharges.

7.3 Storage

Keep containers tightly closed in a dry, cool place.

8 Exposure controls/personal protection**8.1 Control parameters**

20 millions of particles per cubic foot of air

Time weighted average (TW A):(Z3)

0.8 mg/m³

Time weighted average (TW A):(Z3)

The exposure limit is calculated from the equation, $80/(\%SiO_2)$, using a value of 100% SiO₂.Lower values of % SiO₂ will give higher exposure limits.**8.2 Personal Protective equipment****Respiratory protection**

A respirator that meets OSHA 1910.134 and ANSI Z8 8.2 or applicable federal/ provincial requirements must be followed whenever workplace conditions warrant respirator use.

Hand protection

Use impermeable gloves.

Eye protection

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

Skin and body protection

A safety shower and eye wash fountain should be readily available.

To identify additional Personal Protective Equipment requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR 1910.132) be conducted prior to using this product.

Hygiene measures

Do not eat, drink, or smoke when using this product. Wash face and/or hands before break and after working with the product. To ensure ideal skin protection, use super fatty soaps and skin cream for skin care. Wash contaminated clothing before re-use.

Protective measures

Handle in accordance with good industrial hygiene and safety practice. If there is a 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.

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9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Form: Powder Colour: White
b) Odour	Odorless
c) Odour Threshold	Not applicable
d) pH	3.7 – 4.5 (40g/L) (20°C)
e) Melting point/freezing point	1700 °C
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid/gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	2.2 g/cm ³
n) Water solubility	> 1 mg/L
o) Partition coefficient: n-octanol/water	no data available
p) Auto-ignition temperature	no data available
q) Decomposition temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available
u) VOC, g/L	0 g/L

9.2 Other safety information

Tapped density 50g/L method: DIN / ISO 787/11

10 Stability and reactivity

REACTIVITY: No dangerous reaction known under normal conditions.

STABILITY: Stable at normal conditions.

INCOMPATIBILITY (AVOID CONTACT WITH): Stable under normal conditions

HAZARDOUS POLYMERIZATION: Should Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS AND/OR BY PRODUCTS: None known. Product will not undergo hazardous polymerization

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11 Toxicological Information**11.1 Information on toxicological effects**

Acute toxicity :	Inhalation: LC0 Rat: 0.139 mg/L / 4 h No deaths occurred
	Dermal: LD50 Rabbit: > 5000 mg/kg
Skin corrosion/irritation :	Rabbit: no irritation
Serious eye damage/irritation :	Rabbit: no irritation
Respiratory or skin sensitization :	Not known
Repeated dose toxicity :	Oral: no negative effects
STOST-single exposure :	No evidence for hazardous properties
STOST-repeated exposure :	No evidence for hazardous properties
Aspiration hazard :	No aspiration toxicity classification
Carcinogenicity :	No negative effects
Reproductivity :	No negative effects

12 Ecological information**12.1 Toxicity**

Toxicity to fish	LC50 (Brachydanio rerio): 10,000 mg/L / 96 h
The reported toxic effects relate to the nominal concentration	
Toxicity to aquatic invertebrates	EC50 (Daphnia magna): 1000 mg/L / 24 h
The reported toxic effects relate to the nominal concentration	

12.2 Persistence and degradability

Biodegradability: the methods for determining biodegradability are not applicable to inorganic substances

12.3 Bioaccumulative potential

None expected

12.4 Mobility in soil

No mobility in soil expected

12.5 Other adverse effects

The classification criteria are not met based on available data

13 Disposal considerations

Waste must be disposed of in accordance with federal, state, provincial and local regulations



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Packaging material should be recycled or disposed of in accordance with federal, state, provincial and local regulations

14 Transport information

UN Number : Not classified as hazardous.
UN Proper shipping name : N/A
Transport hazard class : Not classified as hazardous.
Packing group : N/A
Environmental hazards : Not considered marine pollutant.
Not considered environmentally hazardous.
Special precautions : Keep sealed and secure. Do not expose to heat.
DOT Classification : Non-Hazardous.
INCO Terms : EXW for Regulatory Purposes and Responsibilities

15 Regulatory information

US Federal Regulations

OSHA: none listed
Clean Air Act Section (112): none listed
CERCLA Reportable Quantities: none listed
SARA Title III Section 311/312 Hazard Categories: no SARA hazards
Toxic Substances Control Act (TSCA): none listed

State Regulations

The listing requirements of the Right To Know (RTK) legislation varies by state. All information for NJ, PA, MA and other states can be derived from the listing of hazardous and non-hazardous components in section 2 and 15 of this safety data sheet.

California Proposition 65: none listed

16 Other information

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Further Information: HMIS® is a registered trade and service mark of the NPCA

HMIS Rating



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Flammability:	0
Physical Hazard:	0
Personal Protection:	E

NFPA Rating

Health Hazard:	1
Fire Hazard:	0
Reactivity Hazard:	0

Disclaimer:

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