

Offer Sheet

Product	Fumed silica, amorphous form of silicon dioxide
Quantity	2 ongoing streams Stream #1: 20-40 tons/month Stream #2: 35-55 tons/month
Package type	IBC Supersack
Availability	Monthly
Location	West Virginia
Date	12/15/25
COA & SDS	Attached below



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Click here for: [Surplus Inventory](#)
[Solvent-Systems.com](#)

Stream 1:

98% Silica

2% Ground Quartz

Appearance: Whitish Grey

Hydrophobic

No Odor

PH: 6-7

Volume: 20-40 Tons per month

Package type: IBC Supersack

Stream 2:

98% Silica

2% Ground Quartz

1-3 PPM Benzene

Appearance: Whitish Grey

Hydrophobic

No Odor

PH: 6-7

Volume: 35 - 55 Tons per month

Package type: IBC Supersack

1. Thickening and Rheology Control

- Acts as a **thickener, anti-settling agent, or viscosity modifier** in liquids and gels.
 - Common in **paints, coatings, adhesives, sealants, and lubricants**.
 - Prevents settling of pigments and fillers in suspensions.
-

2. Reinforcement in Silicone and Rubber

- Used as a **reinforcing filler** in:
 - silicone elastomers
 - rubber compounds
 - sealants and gaskets
 - Improves mechanical strength, abrasion resistance, and dimensional stability.
-

3. Anti-Caking Agent

- Added to **powdered materials** to prevent clumping.
 - Found in:
 - powdered food products
 - pharmaceuticals
 - detergents
 - ceramics
-

4. Polishing and Abrasive Applications

- Used in **polishing powders** and **abrasives** for:
 - optical lenses
 - electronics
 - metals
 - Provides fine, uniform particle size for high-precision polishing.
-

5. Cosmetic and Personal Care Products

- Functions as a **thickener, anti-caking agent, or texture enhancer** in:
 - powders
 - foundations
 - creams and lotions
 - deodorants
 - Improves feel, opacity, and flow properties.
-

6. Insulation and Refractory Applications

- Included in **thermal insulation formulations** due to low density and high heat resistance.
 - Used in:
 - refractory materials
 - gaskets
 - high-temperature coatings
-

7. Electronics and Coatings

- Enhances **scratch resistance, flow, and stability** in coatings, inks, and electronic encapsulants.
 - Used as a **matting agent** or anti-settling agent.
-

8. Pharmaceutical Applications

- Acts as a **glidant or anti-caking agent** in tablet and capsule formulations.
 - Improves powder flowability and prevents clumping during processing.
-

9. Filtration Aids

- Used as a **filter aid** in chemical, food, and pharmaceutical industries.
- Improves clarity and separation efficiency in liquid filtration.



Microbac Laboratories Inc., - Marietta, OH

CERTIFICATE OF ANALYSIS

M5K0621

Analytical Testing Parameters

Client Sample ID: ACI402
Sample Matrix: Solid
Lab Sample ID: M5K0621-01

Collection Date: 11/11/2025 11:20

Volatile Organic Compounds TCLP by GCMS	Result	RL	Units	Note	Prepared	Analyzed	Analyst
EPA 5030C/EPA 8260D							
Benzene	4950	1250	ug/L	D3		11/24/25 2327	CCC
2-Butanone	<100	100	ug/L			11/23/25 1425	CCC
Carbon tetrachloride	<50.0	50.0	ug/L			11/23/25 1425	CCC
Chlorobenzene	<50.0	50.0	ug/L			11/23/25 1425	CCC
Chloroform	<50.0	50.0	ug/L			11/23/25 1425	CCC
1,2-Dichloroethane	<50.0	50.0	ug/L			11/23/25 1425	CCC
1,1-Dichloroethene	<50.0	50.0	ug/L			11/23/25 1425	CCC
Tetrachloroethylene	<50.0	50.0	ug/L			11/23/25 1425	CCC
Trichloroethene	<50.0	50.0	ug/L			11/23/25 1425	CCC
Vinyl chloride	<100	100	ug/L			11/23/25 1425	CCC
Surrogate: 4-Bromofluorobenzene	102	Limit: 86-115	% Rec			11/23/25 1425	CCC
Surrogate: 4-Bromofluorobenzene	101	Limit: 86-115	% Rec			11/24/25 2327	CCC
Surrogate: Dibromofluoromethane	94.9	Limit: 86-118	% Rec			11/24/25 2327	CCC
Surrogate: Dibromofluoromethane	94.2	Limit: 86-118	% Rec			11/23/25 1425	CCC
Surrogate: 1,2-Dichloroethane-d4	97.3	Limit: 80-120	% Rec			11/24/25 2327	CCC
Surrogate: 1,2-Dichloroethane-d4	93.9	Limit: 80-120	% Rec			11/23/25 1425	CCC
Surrogate: Toluene-d8	101	Limit: 88-110	% Rec			11/24/25 2327	CCC
Surrogate: Toluene-d8	103	Limit: 88-110	% Rec			11/23/25 1425	CCC

Definitions

D3: Dilution was performed due to high target analyte concentration.
NAD: Normalized Absolute difference
RL: Reporting Limit
ug/L: Micrograms per Liter

Cooler Receipt Log

Cooler ID: Default Cooler Temp: 3.9°C

Cooler Inspection Checklist

Ice Present or not required?	Yes	Shipping containers sealed or not required?	Yes
Custody seals intact or not required?	Yes	Chain of Custody (COC) Present?	Yes
COC includes customer information?	Yes	Relinquished and received signature on COC?	Yes
Sample collector identified on COC?	Yes	Sample type identified on COC?	Yes
Correct type of Containers Received	Yes	Correct number of containers listed on COC?	Yes
Containers Intact?	Yes	COC includes requested analyses?	Yes
Enough sample volume for indicated tests received?	Yes	Sample labels match COC (Name, Date & Time?)	Yes
Samples arrived within hold time?	Yes	Correct preservatives on COC or not required?	Yes
Chemical preservations checked or not required?	Yes	Preservation checks meet method requirements?	Yes
VOA vials have zero headspace, or not recd.?	Yes		

Microbac Laboratories Inc., - Marietta, OH

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CERTIFICATE OF ANALYSIS

M5K0621

Report Comments

*The data and information on this, and other accompanying documents, represents only the sample(s) analyzed. This report is incomplete unless all pages indicated in the footnote are present and an authorized signature is included. **The services were provided under and subject to Microbac's standard terms and conditions which can be located and reviewed at <https://www.microbac.com/standard-terms-conditions>.***

Reviewed and Approved By:

Tiffany Bailey

Customer Relationship Coordinator

Reported: 11/25/2025 17:04

SAFETY DATA SHEET

Version 2.1
Revision Date 04/07/2023
Print Date 04/08/2023

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

1.1 Product identifiers

Product name : Silica

Product Number :
Brand : 112945-52-5
CAS-No.

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

Identified uses : Laboratory chemicals, Synthesis of substances

Uses advised against : The product is being supplied under the TSCA R&D Exemption (40 CFR Section 720.36). It is the recipient's responsibility to comply with the requirements of the R&D exemption. The product may not be used for a non-exempt commercial purpose under TSCA unless appropriate consent is granted in writing by ECO USA.

:

:

:

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS).

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : Silicic anhydride
Silicon dioxide amorphous
Silica
Silicon dioxide
Silica, fumed

Formula : O_2Si
Molecular weight : 60.08 g/mol
CAS-No. : 112945-52-5

Component	Classification	Concentration
silicon dioxide, amorphous, fumed, free of crystals, hydrophobic, pyrogenic		
		<= 100 %

SECTION 4: First aid measures

4.1 Description of first-aid measures

No data available

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

silicon oxides
Not combustible.

5.3 Advice for firefighters

No data available

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

6.2 Environmental precautions

No data available

6.3 Methods and materials for containment and cleaning up

No data available

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Hygroscopic.

Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

Component	CAS-No.	Value	Control parameters	Basis
silicon dioxide, amorphous, fumed, free of crystals, hydrophilic, pyrogenic	112945-52-5	TWA	20Million particles per cubic foot	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	80mg/m3 / %SiO2	USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
		TWA	6 mg/m3	USA. NIOSH Recommended Exposure Limits
		PEL	6 mg/m3	California permissible exposure limits for chemical contaminants (Title 8, Article 107)

8.2 Exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- | | |
|---|---|
| a) Appearance | Form: powder |
| b) Odor | odorless |
| c) Odor Threshold | Not applicable |
| d) pH | 3.6 - 4.3 at 40 g/l |
| e) Melting point/freezing point | Melting point/ range: ca.1,700 °C (ca.3,092 °F) |
| f) Initial boiling point and boiling range | 2,200 °C 3,992 °F at 1,013.25 hPa |
| g) Flash point | ()Not applicable |
| h) Evaporation rate | No data available |
| i) Flammability (solid, gas) | The product is not flammable. |
| j) Upper/lower flammability or explosive limits | No data available |
| k) Vapor pressure | No data available |
| l) Vapor density | No data available |
| m) Density | No data available |
| Relative density | No data available |

- n) Water solubility 0.001 g/l at 20 °C (68 °F) - insoluble
- o) Partition coefficient: No data available
n-octanol/water
- p) Autoignition No data available
temperature
- q) Decomposition > 2,000 °C (> 3,632 °F) -
temperature
- r) Viscosity No data available
- s) Explosive properties No data available
- t) Oxidizing properties none

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Exposure to moisture may affect product quality.

10.5 Incompatible materials

Strong acids, Strong bases, Hydrogen fluoride, Oxidizing agents, Ammonia, Oxygen difluoride, Chlorine trifluoride

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute toxicity estimate Oral - 3,160 mg/kg
(Calculation method)

LD50 Oral - Rat - 3,160 mg/kg

Remarks: (RTECS)

LC0 Inhalation - Rat - 4 h - 0.139 mg/l

Remarks: (External MSDS)

LD50 Dermal - Rabbit - > 5,000 mg/kg
Remarks: (External MSDS)
No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Test Type: Rat

Test system: Lungs

Remarks: Body fluid assay

Species: Rat

Application Route: Intratracheal

Remarks: Unscheduled DNA synthesis

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

RTECS: VV7310000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Stomach - Irregularities - Based on Human Evidence

Stomach - Irregularities - Based on Human Evidence

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish LC50 - Danio rerio (zebra fish) - > 10,000 mg/l - 96 h
(OECD Test Guideline 203)

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

No data available

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : Chronic Health Hazard

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

Maine Chemicals of High Concern

Product does not contain any listed chemicals

Vermont Chemicals of High Concern

Product does not contain any listed chemicals

Washington Chemicals of High Concern

Product does not contain any listed chemicals

The ingredients of this product are reported in the following inventories:

TSCA : Product contains substance(s) not listed on TSCA inventory.

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16: Other information

The branding on the header and/or footer of this document may temporarily not visually match the product purchased as we transition our branding. However, all of the information in the document regarding the product remains unchanged and matches the product ordered.

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