

Safety Data Sheet

In accordance with REACH Regulation (EC) 1907/2006 including amending Regulation (EU) 2020/878

SECTION 1: Identification of the Substance or Mixture and the Company

1.1. Product identifier

Vitri Foam A1 Component A

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

Use of the substance/mixture

Joint sealant for, e.g., inspection hatches and doors or double-wall linings in chimney or wood-burning stove connections.

Uses advised against

Any use other than the intended use.

1.3. Details of the supplier providing the safety data sheet

Company name	Culimeta Textilglas-Technologie GmbH & Co. KG		
Street	Werner-von-Siemens-Str. 9		
City	D-49593 Bersenbrück		
Phone	+49 (0) 5439 / 94 16-0	Fax:	+49 (0) 5439 / 94 16-10
Email	info@culimeta.de		
Website	https://www.culimeta.de		

1.4. Emergency number:

Giftinformationszentrum-Nord (GIZ-Nord)
Universitätsmedizin Göttingen
Georg-August-Universität
Robert-Koch-Str. 40
37075 Göttingen
Emergency Hotline: 0551 192 40 (Everyone)
and -383 180 (Professionals)
Email: Giznord@giz-nord.de
www.Giftinformationszentrum-Nord.de

Additional Information

Safety Data Sheet in accordance with Regulation (EC) No. 1907/2006 (as amended by Regulation (EU) No. 2020/878)

SECTION 2: Potential Hazards

2.1. Classification of the substance or mixture Regulation (EC) No. 1272/2008

Eye Dam. 1; H318

Wording of hazard statements: see SECTION 16.

2.2. Labelling elements Regulation (EC) No. 1272/2008

Hazard-determining components for labelling

Silicic acid, sodium salt (1.6 < MV =< 2.6)

Signal word: Danger

Pictograms:



Hazard Statements

H318 Causes serious eye damage.

Precautionary Statements

P280 Wear protective gloves and eye protection/face protection.

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P305+P351+P338 IN CASE OF EYE CONTACT: Gently rinse with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CONTROL CENTER or doctor.

Special labelling of certain mixtures

EUH018 May form explosive/flammable vapor-air mixtures when used.

2.3. Other Hazards

The substances in the mixture (>0.1%) do not meet the PBT/vPvB criteria according to REACH, Annex XIII.
This product does not contain any substance (>0.1%) that exhibits endocrine-disrupting properties in humans, as no ingredient meets the criteria.
This product does not contain any substance (>0.1%) that exhibits endocrine-disrupting properties in non-target organisms, as no ingredient meets the criteria.

SECTION 3: Composition/Information on Ingredients

3.2. Mixtures Relevant components

CAS No.	Substance name			Percentage
	EC No.	Index No.	REACH No.	
	Classification (Regulation (EC) No. 1272/2008)			
1344-09-8	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)			>=3 - < 10%
	215-687-4		01-2119448725-31	
	Skin Irrit. 2, Eye Dam. 1, STOT SE 3; H315 H318 H335			

Wording of H and EUH statements: see Section 16.

Specific concentration limits, M-factors, and ATE

CAS No.	EC No.	Substance name	Percentage
		Specific concentration limits, M-factors, and ATE	
1344-09-8	215-687-4	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)	7 - < 10%
	oral: LD50 = 3400 mg/kg		

Additional Information

The product does not contain any listed SVHC substances in concentrations exceeding 0.1% in accordance with Regulation (EC) No. 1907/2006, Article 59 (REACH).

SECTION 4: First Aid Measures

4.1. Description of First Aid Measures General Information

In case of an accident or if you feel unwell, seek medical attention immediately (if possible, show the operating instructions or safety data sheet).

After inhalation

In case of inhalation: Move the affected person to fresh air and keep them at rest. Seek medical attention if respiratory irritation occurs.

After skin contact

Gently wash with plenty of soap and water. Consult a doctor if skin irritation occurs.

After eye contact

Gently rinse with water for several minutes. Remove any contact lenses if possible. Continue rinsing. Consult an ophthalmologist if symptoms occur or persist.

After ingestion

Rinse the mouth thoroughly with water. Have the person drink plenty of water in small sips (dilution effect).
DO NOT induce vomiting. Seek medical advice if symptoms occur or in case of doubt.

4.2. Most important acute and delayed symptoms and effects

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See sections 2 and 11

4.3. Indications for immediate medical attention or special treatment

Symptomatic treatment.

SECTION 5: Firefighting Measures

Extinguishing agents

Suitable extinguishing agents

Carbon dioxide (CO₂). Dry chemical extinguishing agents. Alcohol-resistant foam. Water spray.

Unsuitable extinguishing agents

Full-power water jet.

5.1. Special hazards arising from the substance or mixture

In case of fire, the following may be released: Carbon monoxide. Carbon dioxide (CO₂).

5.2. Firefighting instructions

In case of fire: Use self-contained breathing apparatus.

Additional instructions

Collect contaminated firefighting water separately. Do not allow to enter sewers or waterways. Adapt firefighting measures to the surrounding environment.

SECTION 6: Measures to be taken in the event of an accidental release

6.1. Personal Precautions, Protective Equipment, and Emergency Procedures

General Information

Safe handling: see Section 7

Personnel not trained for emergencies

Wear personal protective equipment (see Section 8).

Emergency responders

No special measures are required.

6.2. Environmental precautions

Prevent release into the environment.

6.3. Methods and materials for containment and cleaning up

For containment

Absorb with liquid-binding material (sand, diatomaceous earth, acid binders, universal binders).

Dispose of the absorbed material in accordance with the disposal section.

For cleaning up

Thoroughly clean contaminated objects and surfaces in accordance with environmental regulations.

6.4. Reference to other sections

Safe handling: see Section 7

Personal protective equipment: see Section 8

Disposal: see Section 13

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SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Instructions for safe handling

Wear appropriate protective clothing while working. See Section 8.

Instructions for fire and explosion protection

Standard fire prevention measures.

Instructions for general hygiene measures in the workplace

Always close containers tightly after removing the product. Do not eat, drink, or smoke while working.

Wash hands before breaks and at the end of the workday.

Further information regarding safe handling

Protective and hygiene measures: See Section 8.

7.2. Conditions for safe storage, taking incompatibilities into account

Requirements for storage areas and containers

Keep containers tightly closed and store in a cool, well-ventilated place.

Storage compatibility instructions

Do not store together with: Explosives. Solid substances with oxidizing properties. Liquid substances with oxidizing properties. Radioactive substances. Infectious substances. Food and feed.

Further information on storage conditions

Keep the packaging dry and tightly closed to prevent contamination and absorption of moisture.

Recommended storage temperature: 20 °C

Protect against: Frost. UV radiation/sunlight. Heat. Moisture

Storage class according to TRGS 510: 10-13

7.3. Specific end uses

See Section 1.

SECTION 8: Exposure Limits and Monitoring/Personal Protective Equipment

8.1. Parameters to be monitored

Occupational exposure limits

CAS No.	Name	ppm	mg/m ³	F/m ³	Peak limit factor	Note	Type
75-28-5	Isobutane	1000	2400		4(II)		TRGS 900

DNEL/DMEL values

CAS No.	Name	Route of exposure	Effect	Value
1344-09-8	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)			
	DNEL employees, long-term	dermal	systemic	1,59 mg/kg BW/d
	DNEL employees, long-term	inhalation	systemic	5,61 mg/m ³
	DNEL consumers, long-term	inhalation	systemic	1,38 mg/m ³
	DNEL consumers, long-term	dermal	systemic	0,8 mg/kg BW/d
	DNEL consumers, long-term	oral	systemic	0,8 mg/kg BW/d

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PNEC values

CAS No.	Name	
	Environmental compartment	Value
1344-09-8	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)	
	Freshwater	7,5 mg/kg
	Freshwater (intermittent discharge)	7,5 mg/kg
	Seawater	1,0 mg/kg
	Microorganisms in wastewater treatment plants	348 mg/kg

8.2. Exposure Limits and Monitoring



Appropriate technical control devices

Technical measures and the use of appropriate work procedures take precedence over the use of personal protective equipment.

Ensure adequate ventilation.

Individual protective measures, such as personal protective equipment

Eye/Face Protection

Wear safety goggles; chemical-resistant goggles (in case of splashes). DIN EN ISO 16321-1:2022

Hand Protection

Wear suitable protective gloves.

Suitable materials:

FKM (fluorocarbon). - Glove material thickness: 0.4 mm

Breakthrough time: ≥ 8 h

Butyl rubber. - Glove material thickness: 0,5 mm

Breakthrough time: ≥ 8 h

CR (polychloroprene, chloroprene rubber). - Glove material thickness: 0,5 mm

Breakthrough time: ≥ 8 h

NBR (nitrile rubber). - Glove material thickness: 0,35 mm

Breakthrough time: ≥ 8 h

PVC (polyvinyl chloride). - Glove material thickness: 0,5 mm

Breakthrough time: ≥ 8 h

It is recommended that you consult the glove manufacturer regarding the chemical resistance of the protective gloves listed above for specific applications.

The gloves to be used must comply with the specifications of EC Regulation (EU) 2016/425 and the resulting standard EN ISO 374.

Check for leaks or impermeability before use. If you plan to reuse the gloves, clean them before removing them and store them in a well-ventilated area.

Body Protection

Appropriate personal protective equipment: lab coat.

Minimum protective measures in accordance with TRGS 500.

Respiratory Protection

When used properly and under normal conditions, respiratory protection is not required. Respiratory protection is required in the following cases:

- Exceedance of the limit value
- Inadequate ventilation and the formation of aerosols or mist

Appropriate respiratory protection: Particle filter device (DIN EN 143). Filter type: P2

Half-mask or quarter-mask: Maximum permissible exposure concentration for substances with exposure limits: P1 filters up

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to 4 times the exposure limit; P2 filters up to 10 times the exposure limit; P3 filters up to 30 times the exposure limit.

The respiratory protection filter class must be selected based on the maximum concentration of contaminants (gas/vapor/aerosol/particles) that may be present when handling the product. If the concentration limit is exceeded, self-contained breathing apparatus must be used!

The wear time limits specified in the GefStoffV (*Ordinance on Hazardous Substances*), in conjunction with the rules for the use of respiratory protective equipment (DGUV Regulation 112-190), must be followed.

Limiting and Monitoring Environmental Exposure

No special precautions are necessary.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Aggregate state	liquid
Colour	white to brownish
Odor	characteristic
Odor threshold	This parameter does not apply to this product.
Melting point / Freezing point	not specified
Boiling point or initial boiling point and Boiling range	not specified
Flammability	not specified
Lower explosion limit	not specified
Upper explosion limit	not specified
Flash point	not specified
Ignition temperature	not specified
Decomposition temperature	not specified
pH value	12
Kinematic viscosity	not specified
Water solubility	miscible
Solubility in other solvents	not specified
Dissolution rate	not relevant
Partition coefficients	not relevant
n-octanol/water	not relevant
Dispersion stability	not relevant
Vapor pressure	This parameter does not apply to this product.
Density	1.6 g/cm ³
Bulk density	not relevant
Relative vapor density	not specified
Particle properties	not relevant

9.2. Other Information

Information on physical hazard classes

Explosion hazards	none
Continuing combustibility	no self-sustaining combustion
Autoignition temperature	not relevant
Solid	not relevant
Gas	not relevant
Oxidizing properties	none

Other safety-related parameters

Vaporization rate	not specified
Solvent separation test	not specified
Solvent content	not specified

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Solid content	not specified
Sublimation temperature	not relevant
Softening point	not relevant
Pour point	not relevant
Form / Appearance	pasty
Dynamic viscosity	25.000 mPa*s (20°C)
Run-off time	This parameter does not apply to this product.

Additional information

No information is available.

SECTION 10: Stability and Reactivity

10.1. Reactivity

No information is available.

10.2. Chemical stability

The product is chemically stable under the recommended storage, usage, and temperature conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions occur when handled and stored in accordance with the instructions.

See Section 10.5.

10.4. Conditions to avoid

Protect from: UV rays/sunlight. Heat.

10.5. Incompatible materials

Substances to avoid: Oxidizing agents (strong). Reducing agents (strong).

10.6. Hazardous decomposition products

Does not decompose under normal conditions of use.

SECTION 11: Toxicological Information

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

Toxicokinetics, Metabolism, and Distribution

No data available.

Acute toxicity

Based on the available data, the classification criteria are not met.

ATE mix calculates

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation, vapor) > 20 mg/l; ATE (inhalation, dust/mist) > 5 mg/l

CAS No.	Name				
	Route of exposure	Dose	Species	Source	Method
1344-09-8	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)				
	oral	LD50 3400 mg/kg	Rat	ECHA Dossier	

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Irritating and corrosive effects

Serious eye damage/eye irritation: Causes serious eye damage.

Skin corrosion/skin irritation: Based on the available data, the classification criteria are not met.

Sensitizing effects

Based on the available data, the classification criteria are not met.

Carcinogenic, mutagenic, and reproductive toxic effects

Germ cell mutagenicity: Based on the available data, the classification criteria are not met.

Carcinogenicity: Based on the available data, the classification criteria are not met.

Reproductive toxicity: Based on the available data, the classification criteria are not met.

Specific target organ toxicity following single exposure

Based on the available data, the classification criteria are not met.

Specific target organ toxicity following repeated exposure

Based on the available data, the classification criteria are not met.

Risk of aspiration

Based on the available data, the classification criteria are not met.

Specific effects in animal studies

No data available.

11.2. Information on other hazards

Endocrine-disrupting properties

This product does not contain any substance (>0.1%) that exhibits endocrine-disrupting properties in humans, as none of the ingredients meet the criteria.

Additional information

No data available.

SECTION 12: Environmental Information

12.1. Toxicity

Based on the available data, the classification criteria are not met.

CAS No.	Name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
1344-09-8	Silicic acid, sodium salt (1.6 < MW ≤ 2.6)					
	Acute fish toxicity	LC50 mg/l	1108	96 h	Danio rerio	ECHA Dossier
	Acute algal toxicity	ErC50	207 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier
	Acute crustacean toxicity	EC50 mg/l	1700	48 h	Daphnia magna	ECHA Dossier

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

12.4. Mobility in the soil

No data available.

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12.5. Results of the PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria set forth in REACH, Annex XIII.

The foregoing statement applies to substances present in the product at concentrations of 0.1% or higher.

12.6. Endocrine-disrupting properties

This product does not contain any substances that exhibit endocrine-disrupting properties in non-target organisms, as none of its ingredients meet the relevant criteria.

The above statement applies to substances present in the product at concentrations of 0.1% or higher.

12.7. Other harmful effects

No data available.

Additional information

Do not allow this product to enter the sewer system or waterways.

SECTION 13: Disposal Information

13.1. Waste treatment methods

Disposal Recommendations

National regulations must also be observed! Contact the appropriate licensed waste disposal company regarding waste disposal. Uncontaminated and completely empty packaging can be recycled.

SECTION 14: Shipping Information

Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	Not a hazardous material as defined by transport regulations.
<u>14.2. Proper UN shipping name:</u>	Not a hazardous material as defined by transport regulations.
<u>14.3. Transport hazard classes:</u>	Not a hazardous material as defined by transport regulations.
<u>14.4. Packing group:</u>	Not a hazardous material as defined by transport regulations.

Inland waterway transport (ADN)

<u>14.1. UN number or ID number:</u>	Not a hazardous material as defined by transport regulations.
<u>14.2. Proper UN shipping name:</u>	Not a hazardous material as defined by transport regulations.
<u>14.3. Transport hazard classes:</u>	Not a hazardous material as defined by transport regulations.
<u>14.4. Packaging group:</u>	Not a hazardous material as defined by transport regulations.

Maritime transport (IMDG)

<u>14.1. UN number or ID number:</u>	Not a hazardous material as defined by transport regulations.
<u>14.2. Proper UN shipping name:</u>	Not a hazardous material as defined by transport regulations.
<u>14.3. Transport hazard classes:</u>	Not a hazardous material as defined by transport regulations.
<u>14.4. Packing group:</u>	Not a hazardous material as defined by transport regulations.

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	Not a hazardous material as defined by transport regulations.
<u>14.2. Proper UN shipping name:</u>	Not a hazardous material as defined by transport regulations.
<u>14.3. Transport hazard classes:</u>	Not a hazardous material as defined by transport regulations.
<u>14.4. Packing group:</u>	Not a hazardous material as defined by transport regulations.
<u>14.5. Environmental hazards</u>	

Hazardous to the environment: No

14.6. Special precautions for users

See Sections 6–8

14.7. Bulk cargo transport by sea in accordance with IMO instruments

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not relevant

SECTION 15: Legal Provisions

15.1. Safety, health, and environmental protection regulations/specific legal requirements for the substance or mixture

EU regulations

Restrictions on use (REACH, Annex XVII):	Entry 3, Entry 75
Directive 2010/75/EU on Industrial Emissions:	not specified
Directive 2004/42/EC on VOCs in paints and varnishes:	not specified
Information regarding the SEVESO III Directive 2012/18/EU:	Not subject to the SEVESO III Directive

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The mixture is classified as hazardous within the meaning of Regulation (EC) No. 1272/2008 [CLP].

REACH 1907/2006 Annex XVII, No. (Mixture): 3

National regulations

Employment restriction	Follow the employment restrictions set forth in the Maternity Protection Act (MuSchG). Follow the restrictions set forth in the German Youth Employment Protection Act (JARbschG).
Technical Guidelines for Air I: Section	not specified
Water hazard class	1 – slightly hazardous to water
Status	Classification of mixtures in accordance with Annex 1, No. 5 of the AwSV

15.2. Chemical Safety Assessment

A chemical safety assessment has not been conducted.

SECTION 16: Other Information

Revision notes

1.	Rev. 1.0 Update to the SDS	27.05.2025
2.	Rev. 2.0 Update to the SDS	03.03.2026

Abbreviations and Acronyms

Skin Irrit. 2: Skin irritation, hazard category 2
 Eye Dam. 1: Serious eye damage, hazard category 1
 STOT SE 3: Specific target organ toxicity (single exposure), hazard category 3
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 AwSV: Ordinance on Facilities for Handling Water-Polluting Substances
 AVV: Waste List Ordinance
 CAS: Chemical Abstracts Service
 CLP: Classification, Labelling and Packaging of substances and mixtures
 DNEL: Derived No Effect Level
 d: day(s)
 EAKV: European List of Waste in accordance with the draft Waste List Regulation
 EINECS: European Inventory of Existing Commercial chemical Substances
 ELINCS: European List of Notified Chemical Substances
 ECHA: European Chemicals Agency
 EWC: European Waste Catalogue

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IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 h: hour
 LOAEL: Lowest observed adverse effect level
 LOAEC: Lowest observed adverse effect concentration
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NOAEL: No observed adverse effect level
 NOAEC: No observed adverse effect concentration
 NLP: No-Longer Polymers
 N/A: not applicable
 OECD: Organisation for Economic Co-operation and Development
 PNEC: predicted no effect concentration
 PBT: Persistent bioaccumulative toxic
 RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
 REACH: Registration, Evaluation, Authorisation of Chemicals
 SVHC: substance of very high concern
 TRGS: Technical Regulations for Hazardous Substances
 UN: United Nations
 VOC: Volatile Organic Compounds
 VwVwS: Administrative Regulation on Water-Polluting Substances
 WGK: Water Hazard Class

Classification of mixtures and assessment method used in accordance with Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification process
Eye Dam. 1; H318	Calculation method

Wording of H and EUH phrases (number and full text)

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May irritate the respiratory tract.
EUH018	May form explosive or flammable vapor-air mixtures when used.

Additional information

Safety Data Sheet (SDS), EU

The information in this Safety Data Sheet is based on our current knowledge and experience at the time of preparation. It is intended to describe the product in terms of health, safety, and environmental requirements and to provide guidance on its safe handling during storage, processing, transport, and disposal.

This information does not constitute a representation of specific properties or a warranty in the legal sense. This does not establish a contractually agreed quality of the product. This safety data sheet refers exclusively to the product described herein. In the event of mixing, blending, processing, or other treatment with other materials, the information cannot be readily applied to the resulting product, unless expressly stated otherwise.