

Safety Data Sheet acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

1 Identification

- **Product identifier**
- **Trade name:** Sumfoam powder
- **Application of the substance / the mixture**
Absorption, desorption, filtration, additive, construction, sound absorption, isolation
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
SUMTEQ GmbH
Isolastraße 2
52353 Düren
Tel.: +49 2421 99012 0
info@sumteq.com
www.sumteq.com
- **Information department:** Phone: +49 2421 99012 0

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**
Polymer does not fall under the conditions 40 CFR § 723.250 paragraph d).
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



Health = 1
Fire = 1
Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Foamed acrylic copolymer
- **Dangerous components:** The mixture does not contain hazardous ingredients.

US

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 1)

4 First-aid measures

- **Description of first aid measures**
- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Generally the product does not irritate the skin.
Wash with water and soap.
- **After eye contact:**
Rinse opened eye for several minutes under running water.
Do not rub eyes dry, the mechanical stress can cause additional cornea damages.
- **After swallowing:**
Rinse out mouth with water.
In case of disorders get medical advice.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
A symptomatic therapy is to be induced.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Foam, CO₂, dry chemicals, water spray
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
Carbon monoxide and carbon dioxide
In certain fire conditions, traces of other toxic gases cannot be excluded.
Do not inhale smoke and combustion products.
High dust levels may create potential for explosions.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Use water to keep fire exposed containers cool.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Avoid inhalation of dusts.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Do not allow to penetrate the ground/soil.
- **Methods and material for containment and cleaning up:**
Pick up mechanically.
Avoid dust generation.
Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

- **PAC-1:**

9003-53-6 polystyrene	85 mg/m ³
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(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 2)

· **PAC-2:**

9003-53-6 polystyrene

550 mg/m³

· **PAC-3:**

9003-53-6 polystyrene

4,700 mg/m³

7 Handling and storage

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

Avoid inhalation of dusts.

Avoid contact with eyes and skin.

· **Information about protection against explosions and fires:**

Keep away from sources of ignition - do not smoke.

Protect against electrostatic charges.

Dust can combine with air to form an explosive mixture.

At high concentrations of dust there is a risk of ignition.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Protect from direct sunlight.

Store in cool, dry conditions in a well ventilated area.

· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:**

Ensure adequate ventilation, especially in closed rooms.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

General threshold value for dust:

- respirable fraction: 1,25 mg/m³

- inhalable fraction: 10 mg/m³

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Wash hands always after use.

· **Breathing equipment:**

Approved dust respirators must be used for dusty conditions or if dust levels exceed established standards.

· **Protection of hands:**

Protective gloves are recommended at frequent and/or long-term skin contact with the product.

· **Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

Recommended thickness of the material: ≥ 0.1 mm

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 3)

- **Penetration time of glove material**
With solid dry substances permeation is not to be expected. Therefore the breakthrough-time for this protective glove has not been measured.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Solid
Color:	White
· Odor:	Odorless
· Odor threshold:	Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** Not applicable.

- **Flammability (solid, gaseous):** combustible

- **Ignition temperature:** Minimum Ignition Energy: < 3 mJ
maximum explosion excess pressure (Pmax): 8.2 bar
Maximum rate of pressure rise: 953 bar/s
KSt-value: 259 bar*m*s-1

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Not determined.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/dust mixtures is possible.
When handling dry product in powder form take precautionary measures against static discharges to avoid ignitions and dust explosions.
dust explosion class: ST2

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapor pressure:** Not applicable.

· Density at 20 °C (68 °F):	50 - 150 kg/m ³
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.

- **Solubility in / Miscibility with**

Water: Insoluble.

- **Segregation coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic:	Not applicable.
Kinematic:	Not applicable.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 4)

· Solvent content: VOC content:	0.00 %
· Solids content:	100.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
Avoid direct sunlight, heat and ignition sources.
Under normal conditions of use and storage (dry) the product is stable.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

11 Toxicological information

- **Information on toxicological effects**
- **Additional toxicological information:** The substance is not subject to classification.
- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

All components have the value 3.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** Heavily biodegradable
- **Other information:** There are no data available about the preparation.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

US

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
The unused material is not classified as hazardous waste as defined by 42 USC Chapter 82 §6903. Depending on the application the regulation for the absorbed media apply.

- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.
Non contaminated packagings can be used for recycling.
Packagings that cannot be cleansed are to be disposed of in the same manner as the product.

14 Transport information

- **UN-Number**

- **DOT, ADR/ADN, IMDG, IATA** Void

- **UN proper shipping name**

- **DOT, ADR/ADN, IMDG, IATA** Void

- **Transport hazard class(es)**

- **DOT**

- **Class** Void
No hazardous good

- **ADR/ADN, ADN, IMDG**

- **Class** Void

- **IATA**

- **Class** Void
Not Restricted

- **Packing group**

- **DOT, ADR/ADN, IMDG, IATA** Void

- **Environmental hazards:**

Not applicable.

- **Special precautions for user**

Not applicable.

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **Transport/Additional information:**

Not dangerous according to the above specifications.

- **UN "Model Regulation":**

Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 6)

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogen categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

All ingredients are listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:**



This Safety Data Sheet has been drawn up in cooperation with:
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· **Contact:**

· **Date of preparation / last revision** 03/29/2022 / 2

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 03/29/2022

Version number 3

Reviewed on 03/29/2022

Trade name: Sumfoam powder

(Contd. of page 7)

ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

• Sources

The basis for the preparation of this safety data sheet are the information provided by the distributor.

- * **Data compared to the previous version altered.**

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