

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 11.01.2024

Version number 5

Revision: 11.01.2024

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

**1.1 Product identifier****Trade name:** **BENMAN HIGH TEMPERATURE FIREPLACE SEALANT S1500****Article number:** 73198**UFI:** E5U1-E0CV-V005-M15W**1.2 Relevant identified uses of the substance or mixture and uses advised against**

No data available

**Application of the substance / the mixture** Sealant**1.3 Details of the supplier of the safety data sheet**

FF GROUP TOOL INDUSTRIES  
9.5Km Paradromos Atiiki Odos (Exit 4)  
19300 Aspropyrgos Athens-Greece  
Tel: +30 210 55 98 400 Fax: +0030 210 55 98 440  
Email: info@ffgroup-toolindustries.com

**1.4 Emergency telephone number:**

Ireland: +353 1 809 2166 (8am - 10pm, 7/7)

Serbia: +381(0) 11 360 8440 (24hrs), Malta: +356 2545 6508

European Emergency Number: 112 (ask for Poisons Information)

### SECTION 2: Hazards identification

**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

**2.2 Label elements****Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

**Hazard pictograms**

GHS05



GHS08

**Signal word** Danger**Hazard-determining components of labelling:**Sodium silicate  
quartz**Hazard statements**

H318 Causes serious eye damage.

H373 May cause damage to organs through prolonged or repeated exposure.

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#### · Precautionary statements

- P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P314 Get medical advice/attention if you feel unwell.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### · 2.3 Other hazards

#### · Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

#### · Dangerous components:

CAS: 1344-09-8 Reg.nr.: 01-2119448725-31-XXXX	Sodium silicate	☞ Eye Dam. 1, H318; ☞ Skin Irrit. 2, H315	<10%
CAS: 14808-60-7 EINECS: 238-878-4	quartz	☞ STOT RE 1, H372	<10%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No data available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No data available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

#### · Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet.

#### · 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO).

Nitrogen oxides (NO<sub>x</sub>).

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- **5.3 Advice for firefighters**
- **Protective equipment:**  
Do not inhale explosion gases or combustion gases.  
Wear self-contained respiratory protective device.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers / surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Send for recovery or disposal in suitable receptacles.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **6.4 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.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed receptacles.  
Ensure good ventilation / exhaustion at the workplace.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Store receptacle in a well ventilated area.  
Keep container tightly sealed.
- **7.3 Specific end use(s)** No data available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 14808-60-7 quartz**

BOELV (EU)	Long-term value: 0.1* mg/m <sup>3</sup> *respirable fraction
OEL (Ireland)	Long-term value: 0.1 mg/m <sup>3</sup>

- **Regulatory information**

BOELV (EU): EU 2022/431

OEL (Ireland): 2021 CoP for the Safety, Health and Welfare at Work

- **Additional information:** The lists valid during the making were used as basis.

- **8.2 Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

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- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

- **Material of gloves**  
Recommended thickness of the material:  $\geq 0.02$  mm.  
Polyethylene gloves.  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  $\geq 10$  min
- **Eye/face protection**



Tightly sealed goggles

EN 166

- **Body protection:** Protective work clothing.

## SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Liquid
- **Colour:** Dark  
Grey
- **Odour:** Odourless
- **Odour threshold:** Not determined
- **Melting point/freezing point:** Not determined
- **Boiling point or initial boiling point and boiling range** Not determined
- **Flammability** Not applicable
- **Lower and upper explosion limit**
- **Lower:** Not determined
- **Upper:** Not determined
- **Flash point:** Not applicable
- **Auto-ignition temperature:** Not specified
- **Decomposition temperature:** Not determined

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· pH	Unspecified
· Viscosity:	
· Kinematic viscosity	Not determined
· Dynamic:	Not determined
· Solubility	
· water:	Miscible
· Partition coefficient n-octanol/water (log value)	Not determined
· Vapour pressure:	Not determined
· Density and/or relative density	
· Density at 23 °C:	1.92 g/cm <sup>3</sup>
· Relative density	Not determined
· Vapour density	Not determined
· Relative gas density	Void
· 9.2 Other information	No data available
· Appearance:	
· Form:	Paste
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting
· Explosive properties:	Product does not present an explosion hazard
· Change in condition	
· Evaporation rate	Not determined
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

## SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No data available.
- **10.5 Incompatible materials:** No data available.
- **10.6 Hazardous decomposition products:** Danger of forming toxic pyrolysis products.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

<b>CAS: 1344-09-8 Sodium silicate</b>		
Oral	LD50	3400 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rat)
Inhalative	LC50	2.06 mg/l (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**

- **Aquatic toxicity:**  
No data available.

<b>CAS: 1344-09-8 Sodium silicate</b>	
EC50	207 mg/l (bacteria) 1700 mg/l (daphnia)
LC50	260-310 mg/l (fish)

- **12.2 Persistence and degradability**  
This product is, corresponding to the desired stability, heavily biodegradable.
- **12.3 Bioaccumulative potential** No data available.
- **12.4 Mobility in soil** No data available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects** No data available.
- **Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
15 01 02	plastic packaging
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |                 |
|---|-----------------|
| · <b>14.1 UN number or ID number</b><br>· <b>ADR, ADN, IMDG, IATA</b>                       | Not applicable  |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR, ADN, IMDG, IATA</b>                      | Not applicable  |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR, ADN, IMDG, IATA</b><br>· <b>Class</b> | Not applicable  |
| · <b>14.4 Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                     | Not applicable  |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                          | No.             |
| · <b>14.6 Special precautions for user</b>  | Not applicable. |
| · <b>14.7 Maritime transport in bulk according to IMO instruments</b>                       | Not applicable. |
| · <b>UN "Model Regulation":</b>   | Not applicable  |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
1907/2006/CE Regulation, REACH  
1272/2008/CE Regulation, CLP  
2020/878/UE Regulation

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- **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
  - **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- |   |
|---|
| <ul style="list-style-type: none"> <li>· <b>DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II</b></li> </ul>               |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>REGULATION (EU) 2019/1148</b></li> </ul>  |
| <ul style="list-style-type: none"> <li>· <b>Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))</b></li> </ul>                                     |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>Annex II - REPORTABLE EXPLOSIVES PRECURSORS</b></li> </ul>  |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>Regulation (EC) No 273/2004 on drug precursors</b></li> </ul>   |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors</b></li> </ul>             |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer – ANNEX I (Ozone- depleting potential)</b></li> </ul>                                     |
| <ul style="list-style-type: none"> <li>· <b>Other regulations, limitations and prohibitive regulations</b></li> <li>· <b>Substances of very high concern (SVHC) according to REACH, Article 57</b></li> </ul> |
| None of the ingredients is listed.  |
| <ul style="list-style-type: none"> <li>· <b>15.2 Chemical safety assessment:</b> A Chemical Safety Assessment has not been carried out.</li> </ul>  |

### SECTION 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.

- **Relevant phrases**  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.  
 H372 Causes damage to organs through prolonged or repeated exposure.
- **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  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 SVHC: Substances of Very High Concern  
 vPvB: very Persistent and very Bioaccumulative  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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