

Material Safety Data Sheet

According to Regulation (EC) 1907/2006, (EC) 453/2010, (EC) 830/2015

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

- 1.1 Product name:** **High Temperature Adhesive**
- 1.2 Use:** Silicate based adhesive/sealant with high temperature resistance for filling and sealing flues and fire backs.
- 1.3 Supplier of the safety data sheet:** Fire and Sound Limited Tel: +44 (0) 323743579
Vesta
Peelings Lane
Westham
Pevensey
BN24 5HE
United Kingdom
- E-mail of Competent person responsible for SDS:** cliffmiles@outlook.com
- 1.4 Emergency Tel:** +44 (0) 7841523533 (office hours only)

2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture

- 2.1.1** Regulation EC 1272/2008
Physical and chemical hazards: Not classified
Human Health: Not classified
Environment: Not classified

- 2.1.2** Regulation 1999/45/EC Alkaline

2.2 Label elements

- 2.2.1** Regulation EC 1272/2008

Signal word: None

Hazard statements: None

Precautionary statements:
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 if on skin: wash with plenty of soap and water
P305+351+338 **IF IN EYES:** rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P332+313 If skin irritation occurs: Get medical advice/attention.

- 2.2.2** Regulation 1999/45/EC

Safety phrases
S2 Keep out of reach of children
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

- 2.3 Other hazards** **Alkaline**

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous Component	CAS No.	EC No.	REACH registration No.	Classification According to Reg. (EC) 1272/2008 (CLP)	% W/W
Silicic acid Sodium salt (MR>3.2)	1344-09-8	215-687-4	01-2119448725-31-xxxx	Skin irrit. 2; H315 Eye Irrit. 2; H318 STOT SE 3; H335	10 – 20%
Clay cont. <10% respirable silica	N/A	934-756-6 (silica)	Not applicable	STOT RE 2	15 – 25%

The classification of the ingredient silicic acid, sodium salt is based on the powder form

*for full text of R-phrases and Hazard statements see section 16.

SECTION 4. FIRST AID MEASURES

- 4.1 **General:** In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
- Skin Contact:** Wash skin thoroughly with soap and water or a recognised skin cleaner. **DO NOT USE SOLVENT OR THINNERS.** Seek medical attention if irritation persists.
- Eye Contact:** Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.
- Ingestion:** If accidentally swallowed wash mouth with water and give large volumes of water to drink. do not induce vomiting. Seek medical attention.
- Inhalation:** Remove to fresh air.
- 4.2 **Most important symptoms and effects**
- Skin contact:** Prolonged contact may cause redness, irritation and dry skin.
- Eye contact:** May affect vision and cause serious eye damage.
- Ingestion:** Possible discomfort.

SECTION 5. FIRE FIGHTING MEASURES

The liquid product is 'non-flammable'.

- 5.1 Extinguishing Media: Foam, CO₂, powder, water spray/mist
- 5.2 Special Hazards: None. Aqueous product – non-combustible
- 5.3 Advice for firefighters: Do not allow run off from firefighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1: Personal precautions and protective equipment
Avoid skin and eye contact. Wear personnel protective equipment
- 6.2: Environmental precautions
Do not allow to enter drains or water courses
- 6.3: Method for containment and clean up
Contain and collect spillages and place in a suitable container for disposal in accordance with the waste regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited during use. For personal protection see Section 8.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

7.2 Precautions for safe storage

Keep containers closed when not in use.

Observe label precautions – Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly acidic materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

EXPOSURE LIMITS:

Substance	Occupational Exposure Limits			
	8 hr LTEL (1)		15 min STEL(2)	
	ppm	mgm-3	ppm	mgm-3
Respirable silica		0.1		

- Notations** (1) Long-term exposure limit 8 hour time weighted average
 (2) Short-term exposure limit 15 mins time weighted average

8.2 Exposure Controls

- Engineering Measures:** Provide adequate ventilation during application and drying.
Respiratory equipment: If ventilation is insufficient suitable respiratory protective equipment must be worn.
Skin & Hand protection Wear suitable protective clothing and plastic or rubber gloves.
Eye protection Eye protection designed to protect against liquid splashes should be worn.
Hygiene measures When using do not eat drink or smoke. Wash hands before eating, drinking, smoking or using the toilet.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Viscous paste
Odour	Odourless
Flash Point	>100°C
Specific Gravity	1.8-1.9 @ 20°C
Solubility	Miscible with water.
pH	10 – 11

SECTION 10. STABILITY AND REACTIVITY

10.1	Reactivity	No data available
10.2	Chemical stability	Stable under normal temperature and storage conditions
10.3	Possibility of hazardous reactions	Slurry of the product in prolonged contact can react with aluminium, zinc, tin or their alloys evolving hydrogen. Can react generating large amount of heat in contact with strong acids.
10.4	Conditions to avoid	See section 10.3
10.5	Incompatible materials	See section 10.3
10.6	Hazardous decomposition products	None known

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological effects

There is no data available on the product itself.

The product has been assessed according to regulation (EC) 1272/2008 and is not classified as toxic.

Ingestion: May cause discomfort if swallowed. May cause stomach pain

Skin contact: Irritating to skin

Eye contact: Risk of serious damage to eyes.

Sensitisation: Not sensitising

STOT: Not classified

SECTION 12. ECOLOGICAL INFORMATION

12.1	Ecotoxicity	Not regarded as dangerous for the environment.
12.2	Persistence and degradability	The product is inorganic and is not biodegradable.
12.3	Bio accumulative potential	The product is not bio accumulating
12.4	Mobility in soil	Not mobile
12.5	Results of PBT and vPvB assessment	Not classified as PBT/vPvB
12.6	Other adverse effects	Not available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material as hazardous or special waste in accordance with local or national requirements
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SECTION 14 TRANSPORT INFORMATION

This product is not covered by International regulation on the transport of dangerous goods.

14.1	UN number:	Not applicable
14.2	Proper shipping name:	Not applicable
14.3	Transport hazard class:	Not applicable
14.4	Packing group:	Not applicable
14.5	Environmental hazards:	Not classed as Marine pollutant
14.6	Special precautions for users:	Not applicable
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC code:	Not applicable

SECTION 15. REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations 2009
 Control of Substances Hazardous to Health Regulations 1999
 Environment Act 1995
 Management of Health and Safety at Work Regulations 1999
 Personal Protective Equipment at Work Regulations 1992
 Special Waste Regulations 1996 as amended

HEALTH AND SAFETY EXECUTIVE GUIDANCE NOTES

HS(G)37	An Introduction to Local Exhaust Ventilation
EH40	Occupational Exposure Limits
EH44	Dust: General Principles of Protection
HS(G)53	The Selection, Use and Maintenance of Respiratory Protective Equipment
HS(G)71	Storage of Packaged Dangerous Substances
HS(G)193	COSHH Essentials: easy steps to control chemicals
L23	Manual Handling Guidance on Regulations

BRITISH STANDARDS PUBLICATIONS

EN420:	General Requirements for Gloves
EN166:	Personal Eye Protection: Specifications
BS2092:	Eye Protection for Industrial and Non-Industrial Users
BS4275:	Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

15.2 Chemical safety assessment

SECTION 16. OTHER INFORMATION

Full text of H Statements (section 3)

- H315:** Causes skin irritation
H319: Causes serious eye irritation.
H335: May cause respiratory irritation

Full text of other abbreviations

- STOT SE 3:** Specific target organ toxicity – single exposure category 3

The information contained in the Health and Safety Data Sheet is provided in accordance with the requirements of (EC) Regulation 1272/2008 (CLP). The product should not be used for purposes other than those identified without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the suppliers control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. This information contained in the safety data sheet is based on present knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular application





Thermal



Performance



Firefly



Nautilus



CAC



Australia