

Material Safety Data Sheet

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

IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY 1.

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 Vesta

Tel: +44 (0) 323743579

Peelings Lane Westham Pevensev **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 None Hazard statements:

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.

If skin irritation occurs: Get medical advice/attention. P332+313

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

Alkaline 2.3 Other hazards

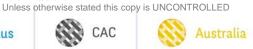








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SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

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

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).

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



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

> Short-term exposure limit 15 mins time weighted average

8.2 **Exposure Controls**

> **Engineering Measures:** Provide adequate ventilation during application and drying.

If ventilation is insufficient suitable respiratory protective equipment must be Respiratory equipment:

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.

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity No data available

10.2 Chemical stability Stable under normal temperature and storage conditions

Possibility of hazardous 10.3 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 None known

products

reactions

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 Persistance and degradeability The product is inorganic and is not biodegradeable.

The product is not bio accumulating 12.3 Bio accumulative potential

12.4 Mobility in soil Not mobile

12.5 Results of PBT and vPvB assessment Not classified as PBT/vPvB

Other advers effects Not available 12.6

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

Special precautions for users: Not applicable
 Transport in bulk according to Annex II Not applicable of MARPOL73/78 and the IBC code:

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

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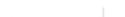
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SECTION 16. OTHER INFORMATION

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



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