

SAFETY DATA SHEET

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HIGH TEMPERATURE ADHESIVE FIRE CEMENT - TEMCEM (ALL GRADES)

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Revision No: 6

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: HIGH TEMPERATURE ADHESIVE FIRE CEMENT - TEMCEM (ALL GRADES)

CAS number: 1344-09-8

EINECS number: 215-687-4

Product code: FF202

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

Use of substance / mixture: High Temperature Fire Cement.

1.3. Details of the supplier of the safety data sheet

Company name: Minkon Ltd
Tofts Farm Industrial Estate
Brenda Road
Hartlepool
TS25 2BS
United Kingdom

Tel: +44 (0) 1429 273 252

Fax: +44 (0) 1429 232 611

Email: enquiries@minkon.co.uk

1.4. Emergency telephone number

Emergency tel: +44 (0) 7970 462234

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315

Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.

H318: Causes serious eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion



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Precautionary statements: P102: Keep out of reach of children.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor.
P332+313: If skin irritation occurs: Get medical advice.

2.3. Other hazards

Other hazards: Alkaline Solution. Irritating to skin. Risk of serious damage to eyes.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

WATER BASED GLASS SOLUTION, MOLAR RATIO >1.6 <=2.6 - REACH registered number(s): 01-2119448725-31-0000

215-687-4	1344-09-8	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	10-30%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Obtain medical attention if symptoms develop.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. Drink 1 or 2 glasses of water or milk. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Not Applicable. Aqueous Solution. Non Combustible. Suitable extinguishing media for the surrounding fire should be used.

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5.2. Special hazards arising from the substance or mixture

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Wear Appropriate Protective Clothing. Wear Suitable Eye Protection. Material can create slippery conditions underfoot.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. If material enters drains, dilute as much as possible with water and notify the authorities.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a suitable container. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid contact with eyes and skin. Eye wash facilities should be readily available. Wear suitable protective equipment. See Section 8 - Personal Protection. General good safety practices should be followed in the handling and use of this product. NO SMOKING OR EATING OR DRINKING should be allowed in areas of storage or use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Storage temperature should be below 50 C. Prevent from freezing. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

[cont...]

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8.2. Exposure controls

Engineering measures: Local exhaust ventilation if solution is sprayed. Ensure good work practices. Wash splashes immediately. DO NOT eat, drink or smoke in the workplace.

Respiratory protection: Respiratory protection is required if solution is sprayed. Consult British Standards BS2091 and BS4275 and HSE publication HS(G)53 for further advice on respiratory protective equipment.

Hand protection: Gloves (alkali-resistant).

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: PVC apron.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Putty/Dough

Colour: Brown or Black

Odour: Odourless

Evaporation rate: Slow

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Binder soluble in water/filler insoluble

Viscosity: Viscous

Relative density: 2.0 - 3.0

pH: >11.0

VOC g/l: 0

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials

Materials to avoid: Strong acids. The product contains a water based alkaline binder, and the wet adhesive as supplied (i.e. the adhesive is in liquid form) will react readily with acids.

10.6. Hazardous decomposition products

Section 11: Toxicological information

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11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORL	RAT	LD50	1600-3200	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: May cause permanent damage.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Soluble Silicates upon dilution rapidly depolymerise into molecular species indistinguishable from natural dissolved silica.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: Soluble silicates, upon dilution, rapidly depolymerise into molecular species indistinguishable from natural dissolved silica. The alkalinity of this material will have a local effect on ecosystems sensitive to changes in pH.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Because of the alkalinity, it is recommended that this material is classified as hazardous waste under EEC Directive 91/689/EEC.

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Waste code number: 06 02 99

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Section 16: Other information

Other information

Other information: All the alkali silicates, even those that are not classified as Dangerous Substances, are alkaline chemicals. Therefore contact with eyes, skin and clothes should be avoided and the usual procedures for handling all chemicals should be followed.

Shelf life - 12 months

This product is ROHS compliant.

This product is a water based adhesive cement - VOC Content 0 gram/litre

Phrases used in s.2 and s.3: H315: Causes skin irritation.

H318: Causes serious eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.