



## SAFETY DATA SHEET

Ltd. 2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 1

Compilation date: 08/01/2015

Revision No: 1

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

#### 1.1. Product identifier

**Product name:** 2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

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

**Use of substance / mixture:** PC1: Adhesives, sealants.

#### 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](mailto: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 CHIP:** This product has no classification under CHIP.

**Classification under CLP:** This product has no classification under CLP.

#### 2.2. Label elements

##### Label elements under CLP:

**Precautionary statements:** P262: Do not get in eyes, on skin, or on clothing.

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.

P337+313: If eye irritation persists: Get medical advice/attention.

##### Label elements under CHIP:

**Hazard symbols:** No significant hazard.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Precautionary phrases:** Restricted to professional users.

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 2

## 2.3. Other hazards

**Other hazards:** 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. MR >3.2, Solids <40% by weight. Not classified as dangerous according to the rules of the EEC 'Dangerous Substances Directive' 67/548/EEC as amended by 92/32/EEC.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Non-classified ingredients:

SILICIC ACID, SODIUM SALT, MOLAR RATIO >3.2 - REACH registered number(s): 01-2119448725-31-0000

EINECS	CAS	CHIP Classification	CLP Classification	Percent
215-687-4	1344-09-8	-	-	>90%

SILICIC ACID, POTASSIUM SALT, MOLAR RATIO >3.2 - REACH registered number(s): 01-2119456888-17-0000

215-199-1	1312-76-1	-	-	1-10%
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**Contains:** Alkaline Silicate Glass Solution.

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. In case of eye contact flush abundantly with water; have eye bath available. Do not rub eyes.

**Ingestion:** Wash out mouth with water.

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

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be pain and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 3

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

**Exposure hazards:** Aqueous solution. Non-combustible.

## 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:** Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** PC1: Adhesives, sealants.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

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

**Skin protection:** Protective clothing.

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 4

**Environmental:** Ensure all engineering measures mentioned in section 7 of SDS are in place.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Odourless

**Solubility in water:** Soluble

**Viscosity:** Viscous

**Relative density:** 1.45

**pH:** 11

**VOC g/l:** Not applicable.

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

**Materials to avoid:** 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

**Haz. decomp. products:** Not applicable.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

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

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 5

ORAL	RAT	LD50	1600-3200	mg/kg
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## Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be pain and redness.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

### 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:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Dispose of waste in accordance with local authority requirements.

**Waste code number:** 06 02 99

**Disposal of packaging:** Dispose of as normal industrial waste.

**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

[cont...]

## SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Page: 6

### 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 for tins - 12 months.

This product is ROHS compliant.

REACH1 - Minkon UK Ltd is a formulator and blender of substances. Raw materials supplied us are expected to be supported by the REACH legislation where required.

REACH2 - This product contains no Substances of Very High Concern as listed at:

<http://echa.europa.eu/web/guest/candidate-list-table>

**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.