



## SAFETY DATA SHEET

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

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Revision No: 4

### 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

**CAS number:** Mixture

**EINECS number:** Mixture

**Product code:** FF125

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

**Use of substance / mixture:** PC1: Adhesives, sealants. ERC2: Formulation of preparations\* ERC5: Industrial use resulting in inclusion into or onto a matrix

#### 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

**Email:** [enquiries@minkon.co.uk](mailto:enquiries@minkon.co.uk)

#### 1.4. Emergency telephone number

**Emergency tel:** MTWT:08.30-17.00 F:08.30-14.00  
(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

#### 2.2. Label elements

**Label elements:**

**Precautionary statements:** P102: Keep out of reach of children.

P103: Read label before use.

P264: Wash hands thoroughly after handling.

P302+P352: IF ON SKIN: Wash with plenty of water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

[cont...]

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## 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.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Non-classified ingredients:

RAW MATERIAL - NA SILICATE SOLUTION, MR = >3.2, SOLIDS = <40% - REACH registered number(s): 01-2119448725-31-0000

EINECS	CAS	PBT / WEL	CLP Classification	Percent
215-687-4	1344-09-8	-	-	>90%

**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:** Remove contact lenses 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. Seek medical attention if irritation persists

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

**Inhalation:** Not applicable.

### 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:** The eyes may water profusely. There may be irritation and pain.

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

**Inhalation:** Not applicable.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## 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.

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

**Exposure hazards:** Not applicable.

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## 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. 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 a cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

### 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

#### 2 PART CHEMICAL SETTING ADHESIVE - AL/CS BINDER

Type	Exposure	Value	Population	Effect
DNEL	Oral	0.80 mg/kg bw/d	Consumers	Systemic
DNEL	Dermal	1.59 mg/kg bw/d	Workers	Systemic
DNEL	Dermal	0.80 mg/kg bw/d	Consumers	Systemic

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PNEC	Fresh water	7.5 mg/l	-	-
PNEC	Marine water	1.0 mg/l	-	-
PNEC	Microorganisms in sewage treatment	348 mg/l	-	-

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

**Skin protection:** Protective clothing.

**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

**Boiling point/range°C:** 100

**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

**Conditions to avoid:** Product is stable under normal temperature and storage conditions

### 10.5. Incompatible materials

**Materials to avoid:** As supplied (i.e. the adhesive is in liquid form) - the product contains a water based alkaline binder, and the wet adhesive will react readily with acids. After full cure - the product is highly stable (high temperature resistant and non-reactive).

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## 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
ORAL	RAT	LD50	1600-3200	mg/kg

#### Non-classified ingredients:

RAW MATERIAL - NA SILICATE SOLUTION, MR = >3.2, SOLIDS = <40%

DERMAL	RAT	LD50	5000	mg/kg
ORAL	RAT	LD50	3400	mg/kg

### Symptoms / routes of exposure

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

**Eye contact:** The eyes may water profusely. There may be irritation and pain.

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

**Inhalation:** Not applicable.

## Section 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicity values:

Species	Test	Value	Units
Daphnia magna	48H EC50	1700	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	1108	mg/l

#### Hazardous ingredients:

RAW MATERIAL - NA SILICATE SOLUTION, MR = >3.2, SOLIDS = <40%

Daphnia magna	48H EC50	1700	mg/l
FISH	96H LC50	1108	mg/l

### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

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## 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.

**Disposal of packaging:** Contaminated containers must be completely emptied. 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

**Specific regulations:** Not applicable.

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## 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.

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