



SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - CHROMIX BINDER

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Compilation date: 08/01/2015

Revision date: 19/04/2016

Revision No: 2

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

1.1. Product identifier

Product name: 2 PART CHEMICAL SETTING ADHESIVE - CHROMIX 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

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...]

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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. 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...]

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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.

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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

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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

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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.