

**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 FILLER

**CAS number:** Mixture

**EINECS number:** Mixture

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

**Use of substance / mixture:** Filler for 2-part high temperature resistant adhesive. PC1: Adhesives, sealants. PROC21: Low energy manipulation of substances bound in materials and/or articles 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:** Acute Tox. 4: H302

**Most important adverse effects:** Harmful if swallowed.

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.

**Hazard pictograms:** GHS07: Exclamation mark



**Signal words:** Warning

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

Page: 2

**Precautionary statements:** P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301+P312: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.  
P330: Rinse mouth.  
P501: Dispose of contents/container to hazardous or special waste collection point.

## 2.3. Other hazards

**Other hazards:** Irritating to respiratory system.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

RAW MATERIAL - SODIUM FLUOROSILICATE - REACH registered number(s): 01-2119519245-43-0000

EINECS	CAS	PBT / WEL	CLP Classification	Percent
240-934-8	16893-85-9	-	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301	1-10%

#### Non-classified ingredients:

RAW MATERIAL - REFRACTORY ADHESIVE FILLER

EINECS	CAS	PBT / WEL	CLP Classification	Percent
Mixture	Mixture	-	-	>90%

## 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. Consult a doctor.

**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. Seek medical attention if irritation persists  
Consult a doctor.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. 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:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

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

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

Page: 3

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## 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.

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

**Exposure hazards:** As supplied (i.e. the adhesive is in powder form) - SSF powder component may emit toxic fumes at red heat. After full set and cure - the product is highly stable (high temperature resistant and non-reactive).

### 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. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers.

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

**Clean-up procedures:** 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 direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of dust 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:** Store in suitable sealed container.

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

Page: 4

## 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## 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:** Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Powder

**Colour:** White

**Odour:** Odourless

**Solubility in water:** Slightly soluble

**VOC g/l:** 0

### 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

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

Page: 5

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** As supplied (i.e. the adhesive is in powder form) - SSF powder component may emit toxic fumes at red heat. May liberate hydrogen fluoride or silicon tetrafluoride. After full cure - the product is highly stable (high temperature resistant and non-reactive).

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicity values:

Route	Species	Test	Value	Units
ORAL	RBT	LD50	1375	mg/kg
ORAL	RAT	LD50	1375	mg/kg
ORAL	MUS	LD50	770	mg/kg

#### Hazardous ingredients:

##### RAW MATERIAL - SODIUM FLUOROSILICATE

ORAL	RAT	LD50	125	mg/kg
ORAL	RBT	LD50	125	mg/kg
ORL	MUS	LD50	70	mg/kg

#### Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated

## Symptoms / routes of exposure

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

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

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.

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

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

[cont...]

# SAFETY DATA SHEET

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

Page: 6

**Hazardous ingredients:**

## RAW MATERIAL - SODIUM FLUOROSILICATE

BLUEGILL (Lepomis macrochirus)	96H LC50	49	mg/l
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### 12.2. Persistence and degradability

**Persistence and degradability:** No data available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No data available.

### 12.4. Mobility in soil

**Mobility:** Sparingly soluble in water.

### 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:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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:** Shelf life for tins - 12 months.

This product is ROHS compliant.

**Phrases used in s.2 and s.3:** H301: Toxic if swallowed.

[cont...]

## **SAFETY DATA SHEET**

2 PART CHEMICAL SETTING ADHESIVE - AL/CS FILLER

**Page: 7**

H302: Harmful if swallowed.

H311: Toxic in contact with skin.

H331: Toxic if inhaled.

**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.