



**Aitken Freeman Pty Ltd**  
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## MATERIAL SAFETY DATA SHEET – PAGE 1 OF 3

# SURFACE HARD C

This product is classified as hazardous according to criteria of NOHSC

### Section 1 – Identification of the Material and Supplier

**PRODUCT (MATERIAL) NAME:** SURFACE HARD C

**OTHER NAMES:**

**RECOMMENDED USES:**

Impregnating surface hardener for concrete

**SUPPLIER NAME/ADDRESS:**

Aitken Freeman Pty Ltd – Factory 7, 7-9 Brough St, Springvale VIC 3171

**TELEPHONE NUMBER:**

(03) 9701 3955

**FACSIMILE NUMBER:**

(03) 9701 3956

**EMERGENCY PHONE NUMBER:**

(03) 9701 3955

**HOURS:**

0800-1700 Mon-Fri

### Section 2 – Hazards Identification

**HAZARD CLASSIFICATION:**

Classified as a **HAZARDOUS SUBSTANCE** according to criteria of NOHSC.

**RISK PHRASES:**

Classified as **DANGEROUS GOODS** according to criteria of ADG Code.

**SAFETY PHRASES:**

**R25:** Toxic if swallowed

**S24/25:** Avoid contact with the skin and eyes.

**S26:** In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre on 13 11 26 (Australia-wide).

**S28:** After contact with skin, wash immediately with water (and soap if available)

**S36/37/39:** Wear suitable protective clothing, gloves and eye/face protection.

### Section 3 – Composition / Information on Ingredients

**INGREDIENTS:**

Chemical Name:	Proportion:	CAS Number:
Magnesium silicofluoride	10 – 30%	18972-56-0
Water	> 60%	[7732-18-5]

Balance of formulation consists of ingredients below cut-off rates or ingredients determined not to be hazardous.

### Section 4 – First Aid Measures

**INHALATION:**

If inhaled, remove patient from contaminated area to fresh air – avoid becoming a casualty. Not usually a hazard due to non-volatile nature of material.

**INGESTION:**

If swallowed, DO NOT induce vomiting. Rinse mouth with plenty of water. Seek immediate medical advice from a doctor or the Poisons Information Centre (13 11 26 Australia-wide).

**SKIN:**

If skin or hair contact occurs, remove all contaminated clothing and wash before reuse. Flush skin and/or hair with running water and soap if available. Seek medical assistance if irritation persists.

**EYES:**

If product comes into contact with eyes, hold eyelids apart and flush the eye continuously with fresh running water. If pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**FIRST AID FACILITIES:**

Eye wash and normal washroom facilities.

**ADVICE TO DOCTOR:**

Treat symptomatically. **POISON INFORMATION CENTRE** – 13 11 26 Australia-wide.

### Section 5 – Fire Fighting Measures

**EXTINGUISHING MEDIA:**

Use extinguisher appropriate to the surrounding area

**HAZARDS FROM COMBUSTION PRODUCTS:**

May emit toxic fumes, including hydrogen fluoride.

**SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS:**

Heating can cause expansion or decomposition leading to violent rupture of containers. Keep containers cool with water spray. Fire fighters should wear self contained breathing apparatus if risk of exposure to vapour or products of combustion. Avoid bodily contact with substance or run off.

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## Section 6 – Accidental Release Measures

- EMERGENCY PROCEDURES:** Product is slippery when spilled – avoid accidents by cleaning up any spills immediately. Wear gloves, protective goggles and appropriate protective equipment to avoid eye and skin contact. Isolate and contain spill and soak up with inert material such as clay or sand. Prevent material from entering storm water drains, waterways, basements or workpits. Collect in suitable containers and ensure these are correctly labelled.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP:** Contain and collect spills as detailed above. Refer to State Land Waste Management Authority for disposal considerations.

## Section 7 – Handling and Storage

- PRECAUTIONS FOR SAFE HANDLING:** Wear protective goggles or face shield and rubber gloves to prevent eye and skin contamination. Contact lenses pose a special hazard as they may absorb irritants. Suitable protective clothing, PVC gloves and boots should be worn. General exhaust is normally adequate. If risk of overexposure exists, wear SAA approved dust respirator.
- CONDITIONS FOR SAFE STORAGE:** Keep containers tightly sealed when not in use. Store in a cool, dry, well ventilated place out of direct sunlight.
- INCOMPATIBILITIES:** No restrictions.

## Section 8 – Exposure Controls / Personal Protection

- NATIONAL EXPOSURE STANDARDS:** No exposure standards have been established for this product or its constituents by NOHSC.
- BIOLOGICAL LIMIT VALUES:** Not established for the product.
- ENGINEERING CONTROLS:** Ensure workplace is well ventilated to maintain air concentrations below exposure standards.
- PERSONAL PROTECTION:** Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and reuse. Wash hands before eating, smoking, or using the toilet.
- RESPIRATORY PROTECTION:** The use of a respirator or other device is recommended where engineering controls are not effective in controlling airborne exposure. For assistance in selecting suitable equipment consult AS/NZ1715.
- EYE PROTECTION:** Eye protective measures are normally necessary, and are suggested when using this product. Consult AS1336 and AS/NZ1337.
- PROTECTIVE GLOVES:** Rubber, PVC or other protective gloves should be worn. Consult AS2161 for guidance.
- CLOTHING:** Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance.
- SAFETY FOOTWEAR:** Wearing safety boots is advisory. Consult AS/NZ2210 for advice on Occupational Protective Footwear.

## Section 9 – Physical and Chemical Properties

- APPEARANCE (COLOUR, PHYSICAL FORM, SHAPE):** Pal red liquid
- ODOUR:** No odour
- SOLUBILITY:** Miscible
- VAPOUR DENSITY:** Not available
- MELTING POINT:** Not applicable
- FREEZING POINT:** Not available
- FLASH POINT:** Not flammable
- LOWER FLAMMABLE LIMIT:** Not established
- VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT:** Nil
- VAPOUR PRESSURE:** Approx 2.3kPa water
- BOILING POINT:** 100°C
- SPECIFIC GRAVITY:** 1.0
- UPPER FLAMMABLE LIMIT:** Not established
- AUTOIGNITION TEMPERATURE:** Unknown

## Section 10 – Stability and Reactivity

- CHEMICAL STABILITY:** Stable
- CONDITIONS TO AVOID:** Heat
- INCOMPATIBLE MATERIALS:** Strong oxidising acids
- HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield hydrogen fluoride
- HAZARDOUS REACTIONS:** None

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## Section 11 – Toxicological Information

**TOXICOLOGY INFORMATION:** No toxicity data is available for this product.

**HEALTH EFFECTS FROM THE LIKELY ROUTES OF EXPOSURE:**

**INHALATION:** Harmful by inhalation. May cause severe irritation and possible burns to the mucous membrane and upper airways. Symptoms may include coughing, breathing difficulties, and wheezing.

**INGESTION:** Toxic by ingestion. May cause irritation to the mouth, oesophagus, and stomach. Symptoms can include nausea, vomiting and possible abdominal pain.

**SKIN:** Skin contact can cause irritation, redness and itching.

**EYES:** May cause irritation in contact with the eyes, which can result in redness and excessive tearing.

**CHRONIC EFFECTS:** Skin and mucous membrane irritations may occur after prolonged or repeated contact or exposure with this product.

## Section 12 – Ecological Information

**ENVIRONMENT PROTECTION:** Avoid contaminating waterways, drains or sewers.

**PERSISTENCE AND DEGRADABILITY:** Not available

**MOBILITY:** Not available

**ECOTOXICITY:** Not available

## Section 13 – Disposal Considerations

**DISPOSAL METHODS AND CONTAINERS:** Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.

## Section 14 – Transport Information

This material is classified as DANGEROUS GOODS according to criteria of Australian Dangerous Goods Code.

**UN NUMBER:** 2856

**UN PROPER SHIPPING NAME:** Fluorosilicates N.O.S. (Contains Magnesium Fluorosilicate)

**DANGEROUS GOODS CLASS:** 6.1

**SUBSIDIARY RISK:** None assigned

**PACKING GROUP:** III

**SPECIAL PRECAUTIONS PER USER:** Keep containers tightly sealed, store in a cool, dry, well ventilated place out of direct sunlight.

**HAZCHEM CODE:** 2X

## Section 15 – Regulatory Information

**POISON SCHEDULE:** S6

**OHS:** Unregulated

**ENVIRONMENTAL:** Unregulated

**ADDITIONAL NATIONAL AND/OR INTERNATIONAL REGULATORY INFORMATION:** Unregulated

## Section 16 – Other Information

**DATE OF PREPARATION OR LAST REVISION OF MSDS:**

1st September 2016

**CONTACT POINT:**

Aitken Freeman Pty Ltd  
(03) 9701 3955

**LITERATURE REFERENCES / SOURCES OF DATA:**

Material Safety Data Sheets from Suppliers  
List of Designated Substances – Worksafe Australia (on-line)  
Australian Dangerous Goods Code 6<sup>th</sup> Edition  
Standard for the Uniform Scheduling of Drugs and Poisons No 19

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