

Aitken Freeman Pty Ltd
Factory 7, 7-9 Brough St, Springvale VIC 3171
PO Box 548, Noble Park VIC 3174
Phone: (03) 9701 3955 Fax: (03) 9701 3956
Internet: www.aitkenfreeman.com
e-mail: sales@aitkenfreeman.com

Safety Data Sheet

1. Product Name: Diamond Hard

Identification Sealer

Company Name Aitken Freeman Pty Ltd
Address Unit 7, 7 - 9 Brough St. Springvale Vic 3171
Contact: Ph. (03) 9701 3955 Fx. (03) 9701 3956

2. Hazard Identification:

GHS Classification This material is hazardous according to health criteria of Safe Work Australia.



Signal Word

Danger

Hazard Classifications

Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Irritation - Category 1

Hazard Statement

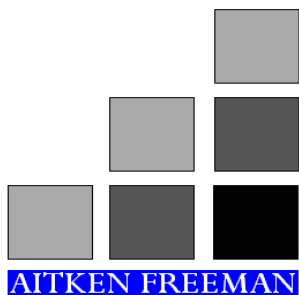
H314 Causes severe skin burns and eye damage.

Prevention Precautionary Statements

P102 Keep out of reach of children
P103 Read label before use
P260 Do not breathe dust, fume, gas, mist, vapours, or spray
P264 Wash hands, face and all exposed skin thoroughly after handling
P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand
P301+P330+P351 IF SWALLOWED: Rinse Mouth. DO NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON Center or doctor/physician
P321 Specific treatment (see product label)
P363 Wash contaminated clothing before reuse.



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Storage Precautionary Statement

P405 Store locked up.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Poison Schedule

DANGEROUS GOODS CLASSIFICATION

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZ5433:Transport of Dangerous Goods on Land"

Dangerous Goods Class: 8

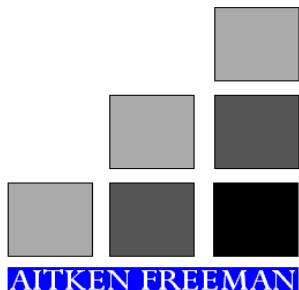
3. Composition / information on ingredients

CHEMICAL ENTITY	CAS NO.	PROPORTION
Potassium hydroxide	1310-58-3	0.1 - <1% (w/w)
Silicic acid, sodium salt	1344-09-8	10 – 20% (w/w)
Ingredients determined to be Non-Hazardous		Balance

4. First Aid Measures

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 – 766).

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention. Never give anything by mouth to an unconscious patient.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
First Aid Facilities	Eye wash, safety shower and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other information	For advice in an emergency, contact a Poisons Information Centre, 13 11 26, or a doctor at once.



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5. Fire fighting measures

Suitable Extinguishing media	Use carbon dioxide, dry chemical, foam or water mist.
Hazards from Combustion Products	Under fire conditions this product may emit toxic/irritating fumes including carbon monoxide and carbon dioxide.
Specific Hazards arising from the ingredients	Non-combustible liquid.
Hazchem Code	Not applicable
Precautions in connection with fire	Fire fighters should wear full protective clothing and self contained breathing apparatus operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool. Decomposition of dry material may emit toxic fumes.

6. Accidental Release Measures

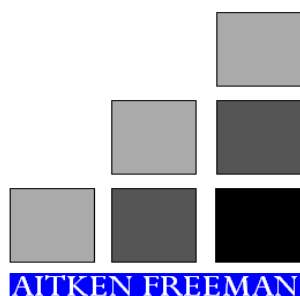
Emergency Procedures	Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Place inert absorbent, non-combustible material on to spillage. Use clean non sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulation
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7. Handling and storage

Precautions for safe Handling	Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene. ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for safe storage, including any Incompatibilities	Store in a cool, dry, well ventilated area away from heat, sources of ignition, oxidising agents, food stuffs, and clothing, and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do not pressurise, cut, heat, or weld containers as they may contain hazardous residues.

8. Exposure Controls

Occupational exposure limit values	No exposure standards have been established for this material by Safework Australia. However as with all chemicals, exposure should be kept to the lowest possible levels.
Biological limit values	No biological limit allocated
Appropriate engineering controls	Use with good ventilation. If mists or vapours are produced, local exhaust ventilation should be used.



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Respiratory protection	If engineering controls are not effective in controlling airbourne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian standards AS 1715, Selection, Use, and Maintenance of Respiratoy Protective Devices, in order to make any necessary changes for individual circumstances.
Eye Protection	Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australiann Standard AS 1337 – Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary with individual circumstances ie methods of handling or according to risk assessments undertaken. Reference should be made to AS2161.1 Occupational protective gloves – Selection, Use, and Maintenance.
Body Protection	Suitable protective work wear, EG Cotton overalls buttoned at the neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and Chemical Properties

Form:	Milky white liquid with a slightly vinegar odour.
Solubility:	Miscible with water
Specific Gravity (20°C):	1.05 – 1.10
Relative Vapour Density (air=1):	>1
Vapour Pressure (kPa @ 20°C):	Not Available
Flash Point (°C):	Not Applicable
Flammability Limits (%):	Not Applicable
Autoignition Temperature (°C):	Not Applicable
% Volatile by Volume:	Not Applicable
Melting Point/Range (°C):	Not Available
Boiling Point/Range (°C):	100
pH:	Neutral
Viscosity:	Not Available

10 Stability and Reactivity

Reactivity: No reactivity hazards are known for the material.
Chemical stability: This material is thermally stable when stored and used as directed.
Hazardous reactions: No known hazardous reactions.
Conditions to avoid: Elevated temperatures and sources of ignition.
Incompatible materials: Oxidising agents.
Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.

11 Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

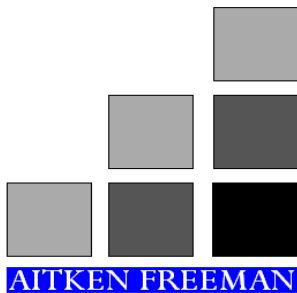
Acute Effects

Inhalation: Material may be an irritant to mucous membranes and respiratory tract.

Skin contact: Repeated or prolonged skin contact may lead to irritation.

Ingestion: No adverse effects expected however large amounts may cause nausea and vomiting.

Eye contact: May be an eye irritant.



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Acute toxicity

Inhalation: This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >20 mg/L

Skin contact: This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Ingestion: This material has been classified as non-hazardous.

Acute toxicity estimate (based on ingredients): >2,000 mg/Kg

Corrosion/Irritancy: Eye: this material has been classified as not corrosive or irritating to eyes.

Skin: this material has been classified as not corrosive or irritating to skin.

Sensitisation: Inhalation: this material has been classified as not a respiratory sensitiser.

Skin: this material has been classified as not a skin sensitiser.

Aspiration hazard: This material has been classified as non-hazardous.

Specific target organ toxicity (single exposure): This material has been classified as non-hazardous.

Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

12. Ecological Information

Avoid contaminating waterways.

Acute aquatic hazard: No information is available to complete an assessment.

Long-term aquatic hazard: No information is available to complete an assessment.

Ecotoxicity: No information available.

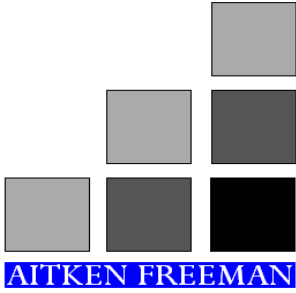
Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. Disposal

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.



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14. Transport

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory Information

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)

The Stockholm Convention (Persistent Organic Pollutants)

The Rotterdam Convention (Prior Informed Consent)

Basel Convention (Hazardous Waste)

International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

All the constituents of this material are listed on the *Australian Inventory of Chemical Substances (AICS)*.

16. Other Information

Date of Preparation: 21st October 2024