



FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

185 Rata Street, P O Box 35 136, Naenae, Lower Hutt, New Zealand.

INVINCIBLE

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product:

AQUELLA

Recommended Uses: Waterproof coating for mineral substrates.

Company Details (NZ Manufacturer)

Company: Fraser Brown & Stratmore Limited

Address: 185 Rata Street, Naenae, Lower Hutt

Contact Details: Ph: 0800 835 699, Fax: 0800 342 737

Emergency Contact: Poisons & Hazardous Chemicals: 0800 POISON / 0800 764766

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of ERMA New Zealand

Signal Word

Danger



HSNO Hazard Classification (contains cement)

- 6.7A Substances that are known or presumed human carcinogens
- 6.9B Substances that are harmful to human target organs or systems
- 8.2C Substances that are corrosive to dermal tissue UN PGIII (when wet)
- 8.3A Eye corrosive
- 9.1D Substances that are harmful in the aquatic environment

Hazard Statements

- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H350 May cause cancer.
- H373 May cause damage to organs.
- H402 Harmful to aquatic life.

Prevention Statements

- P102 Keep out of reach of children.
- P103 Read label before use.
- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P260 Do not breathe dust.
- P264 Wash hands and exposed skin thoroughly after handling.
- P271 Use only outdoors or in well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves and eye/face protection.
- P281 Use personal protective equipment as required.

Response Statements

P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice if you feel unwell.
P308 + P313	If exposed or concerned: Get medical advice.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P333 + P313	If skin irritation or rash occurs: Get medical advice.
P363	Wash contaminated clothing before re-use.
P304 + P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P310	Immediately call a POISON CENTRE or doctor.
P305 + P351+ P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE or doctor.
P403 + P233	Store in well-ventilated space. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of product and packaging in accordance with local regulations.

3. COMPOSITION

Name	CAS Number	Concentration
Portland Cement	65997-15-1	50 – 60%
Hexavalent chromium (cement contaminant)	18540-29-9	<20ppm
Quartz	14808-60-7	10 – 15%
Pigment and other ingredients		To 100%

4. FIRST AID MEASURES

FIRST AID:

INHALATION	Remove to fresh air. Do not induce vomiting. If breathing is difficult, keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms or if feeling unwell, call the poison centre or doctor.
SWALLOWED	Do not induce vomiting. Guard against aspiration into lungs. Get prompt medical attention. If victim is conscious and alert, give two glasses of water.
EYE CONTACT	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. In case of contact with wet material, pour clean water into eyes for at least 15 minutes and seek prompt medical attention.
SKIN CONTACT	If contact with wet material, wash with soap and water and remove contaminated clothing. Apply barrier cream and skin lotion to affected area. If irritation occurs and persists, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT Not flammable

UNUSUAL OR EXPLOSIVE HAZARDS: None

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

None.

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

HAZARDOUS COMBUSTION PRODUCTS

None.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED

In case of spill avoid breathing dust. Wear goggles, PVC/rubber gloves and a class P1 (particulate) respirator or appropriate dust mask if an inhalation risk exists. If spill is small, sweep up powder into a suitable container. If spill is large, sweep or vacuum powder – avoid generating dust. Alternatively spray powder with a fine water spray and collect into suitable plastic or steel container.

ENVIRONMENTAL INFORMATION

Material should be kept out of storm water and sewer drains.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Obtain special instructions and read safety data sheet and label before use. Do not handle until all safety precautions have been read and understood. Wear protective eye goggles and gloves. Do not breathe dust.

CONDITIONS FOR SAFE STORAGE

Keep out of reach of children.

Store in a cool location (15-25 degrees C).

Keep container tightly closed when not being used. Do not smoke, eat or drink when using. Wash hands after use.

MATERIALS TO AVOID

Mixture with strong acids and bases will cause rapid decomposition which may release CO or CO₂

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

TWA 10mg per cubic metre of airborne dust (total) TWA 5mg/m³ (resp) – Portland cement
Hexavalent chromium (CR(VI)) TWA 0.05 mg/m³

ENGINEERING CONTROLS

Use with adequate natural ventilation. General ventilation is recommended to reduce dust build-up. Wear a dust mask if powder is released.

PROTECTIVE GLOVES & CLOTHING

Wear gloves, impervious to chemicals, preferably long, for prolonged contact. Protective clothing is not required.

EYE PROTECTION

Not necessary under normal use. If splashes are likely, wear eye goggles.

OTHER PROTECTION

Wear suitable dust mask in confined areas or where inhalation of dust may occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY (Air = 1)	NA
SOLUBILITY IN WATER	Miscible
FREEZING POINT	NA
SPECIFIC GRAVITY	1.2
PERCENT VOLATILES	None
pH	11 – 13
APPEARANCE AND ODOUR	Odourless white powder.

10. STABILITY AND REACTIVITY

STABILITY

Stable.

MATERIALS TO AVOID

Mixture with strong acids and bases will cause rapid decomposition which may release CO or CO₂

HAZARDOUS COMBUSTION PRODUCTS

Will not form hazardous decomposition products during normal storage or use.

HAZARDOUS REACTIONS

Stable under normal use conditions.

11. TOXICOLOGICAL INFORMATION

INGESTION	Corrosive. Avoid eye and skin contact. Avoid dust inhalation. This product contains cement and respirable free crystalline silica in the form of quartz and has the potential to cause acute and chronic health effects with over exposure. Crystalline silica can cause silicosis (lung disease) with chronic over exposure. However, due to the product application and type, adverse health effects are not expected.
INHALATION	Corrosive. Over exposure may result in severe mucous membrane irritation and bronchitis. Hexavalent chromium is reported to cause respiratory sensitisation, however due to the trace amount present; a hazard is not anticipated under normal conditions of use.
CONTACT	When mixed with water, AQUELLA is irritating and corrosive to the skin and eyes and may cause alkali burns and dermatitis. Can cause severe irritation in dust form upon contact with eyes. Wear goggles when applying if splashes are likely.
CARCINOGENICITY	Respirable crystalline silica and hexavalent chromium compounds are classified as carcinogenic to humans. This product contains cement which is classified as a class 6.7A hazardous substance.
TOXICITY TO REPRODUCTION:	Does not impair fertility.
MUTAGENICITY	Not a mutagenic hazard.
CHRONIC HEALTH EFFECTS	Hypersensitive individuals may develop an allergic dermatitis.

12. ECOLOGICAL INFORMATION

General information

Aquatic

The product is an inorganic material and once mixed with water and hardened presents no toxicity, persistence or bioaccumulative risks.

Product is highly alkaline (pH 11 -13) and any spillage into an aquatic environment would potentially have a negative impact on aquatic life.

Product is identified as a being harmful to aquatic life.

Scrape up spilt material and dispose of in accordance with local requirements.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Recover and recycle if possible. If recovery is not possible, moisten with water or cover with moist soil to prevent dust generation and dispose of to an approved landfill site.

Small amounts may be disposed of as common waste or returned to the container for reuse if not contaminated. Larger amounts may be dumped in landfill but be aware that local requirements may differ widely depending on location and may in many cases be different from national rules.

14. TRANSPORT INFORMATION

UN NUMBER	FREE
HAZARD CLASS:	Non hazardous
NZ DANGEROUS GOOD CLASS & SUBSIDIARY RISK	Not applicable
PROPER SHIPPING NAME	Not applicable
POISON SCHEDULE	NA
PACKING GROUP	NA

15. REGULATORY INFORMATION

HSNO Approval number:	HSR002543 – Construction Products (corrosive [8.2C] (toxic [6.7A]) group standard.
Approved Handler	An approved handler is not required.
Tracking	Not required.

16. OTHER INFORMATION

Date of Issue:	June 2014
Supersedes Date:	September 2011

IMPORTANT NOTICE:

Literary reference

Reason(s) For Issue: Revised

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Fraser Brown & Stratmore Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.