



FRASER BROWN & STRATMORE LTD.

Products for Concrete and Construction

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

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product: **DUSTGUARD**

Recommended Uses: Surface hardener/anti-dust compound for concrete.

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

The primary exposure route for this product is through skin and eye contact.

Hazard information (HSNO Classification):

6.3A Substances that are irritating to the skin

6.4A Substances that are irritating to the eye

Signal Word

Warning

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Prevention Statements:

P103 Read label before use.

P264 Wash hands and exposed skin thoroughly after handling.

P280 Wear protective gloves and eye protection/face protection.

Response Statements

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before re-use.

P305 + P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.



3. COMPOSITION

Name	CAS Number	Content
Sodium silicate	1344-09-8	7 – 15%
Non-hazardous ingredients	—	To 100%

4. FIRST AID MEASURES

FIRST AID:

INHALATION	Move victim to fresh air if necessary. Remove any contaminated clothing. Allow patient to assume most comfortable position and keep warm. Seek medical advice if feeling unwell.
SWALLOWED	DO NOT induce vomiting. Rinse mouth with water. Give a glass of water. Obtain medical advice.
EYE CONTACT	Immediately flush eye thoroughly with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
SKIN CONTACT	If skin or hair contact occurs, remove contaminated clothing. Wash off with plenty of soap and water. If swelling, redness, blistering or irritation occurs, seek medical attention or contact National Poisons Centre on 0800 746 766.

Treat according to symptoms.

5. FIRE FIGHTING MEASURES

FLASH POINT Non-combustible.

UNUSUAL OR EXPLOSIVE HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES AND UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

EXTINGUISHING MEDIA

If material is involved in a fire, use dry chemical or foam or water fog.

HAZARDOUS COMBUSTION PRODUCTS

None known.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN WHEN MATERIAL IS SPILLED OR RELEASED

Slippery when spilt. Wear protective gear to prevent skin and eye contact and avoid breathing vapours.

If the spill is into water, and of a large quantity, notify the relevant authority.

If on land, contain the spilled liquid with sand or earth. If a large quantity has been spilled, recover by pumping (use a hand pump) or use a suitable absorbent material. Neutralise with dilute acid. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

ENVIRONMENTAL INFORMATION

Prevent contamination of soil and water.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Avoid skin and eye contact and breathing vapour (especially mists when sprayed).

CONDITIONS FOR SAFE STORAGE

Keep out of reach of children.

Store in a cool location (15-25 degrees C) away from incompatible materials, and foodstuffs. Keep containers tightly closed when not being used.

INCOMPATIBLE MATERIALS

Acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE STANDARDS

TWA 5 mg/m³ highest allowable exposure concentration in an 8-hour day for a 5-day working week.

STEL 5 mg/m³

ENGINEERING CONTROLS

Local exhaust is preferred to keep exposure limits low. Mechanical area wide ventilation is acceptable. If this product is to be used in an area of poor ventilation, a full or half facemask, with a filter suitable to provide protection should be worn. A mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716 is suitable.

PROTECTIVE GLOVES & CLOTHING

Protective clothing such as overalls should be worn. Wear gloves, impervious to chemicals, preferably long, for prolonged contact. Wear rubber boots. Remove and launder clothing soaked or soiled with this material before re-use.

EYE PROTECTION

Wear safety glasses.

OTHER PROTECTION

Avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOUR	Clear, light blue liquid – odourless.
VAPOR DENSITY (Air = 1)	Not known
BOILING POINT IN DEGS C	~100 degrees C
FLASH POINT	Not applicable
pH	11 – 12
SPECIFIC GRAVITY	1.085.
AUTOIGNITION TEMPERATURE	Not applicable
EXPLOSIVE LIMITS IN AIR	Not applicable
PERCENT VOLATILES	~90%
SOLUBILITY WITH WATER	Miscible

10. STABILITY AND REACTIVITY

STABILITY

Stable.

CONDITIONS TO AVOID

Avoid contact with foodstuffs.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of silicon.

HAZARDOUS REACTIONS

None known.

11. TOXICOLOGICAL INFORMATION

INGESTION	Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.
INHALATION	May be irritating to the respiratory tract.
CONTACT	Irritating to the eyes. Irritating to skin following prolonged exposure. Prolonged or repeated contact may cause defatting of the skin that can lead to dermatitis.
CARCINOGENICITY	Not a carcinogen.
MUTAGENICITY	Not a mutagenic hazard.
CHRONIC HEALTH EFFECTS	No information available. No adverse health effects are expected if the product is handled in accordance with this safety data sheet and the directions on the product label.

12. ECOLOGICAL INFORMATION

Fish toxicity	No data
Algae toxicity	No data
OECD Biological degradation	No data.
Sewerage treatment	No data

Note: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Recover and recycle if possible. Clean empty container thoroughly, wash with detergent and water. Recycle if possible. Do not reuse packaging for any other purpose.

Waste material can be disposed of by neutralising and diluting and disposing of at an approved land waste site. Dispose of in accordance with local rules. 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	Not regulated
HAZARD CLASS:	NA
NZ DANGEROUS GOOD CLASS & SUBSIDIARY RISK	NA
PACKING GROUP	NA
HAZCHEM	NA
PROPER SHIPPING NAME	Not classified as a dangerous good.

15. REGULATORY INFORMATION

HSNO Approval number:	HSR002670
Group Standard:	Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2006
HSNO Substance classification	6.3A, 6.4A

16. OTHER INFORMATION

Date of Issue: May 2014

Supersedes Date: April 2014

Legend



Warning

IMPORTANT NOTICE:

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.