1. Identification of Substance & Company

Product name: Dricon MR Moisture Repellant
Other names: NA
Product code: NA
HSNO approval: non hazardous
Approval description: NA
UN number: NA
Proper Shipping Name: NA
Packaging group: NA
Hazchem code: NA
Uses: A deep penetrating, general purpose moisture repellent sealer for masonry and concrete surfaces such as New & existing concrete; Foundations; Driveways; Concrete pavers; Masonry Blocks; Brick Veneers; Polished concrete; Concrete bench tops; Coloured concrete; Pre-cast/tilt-up

Company Details
Company: Dricon Firth Industries
Address: 585 Great South Rd, Penrose
PO Box 99904, Newmarket, 1149
Auckland, New Zealand
Telephone: +64-9- 583 2100
Website: www.dricon.co.nz

Emergency Telephone Number: 0800-764 766

2. Hazard Identification

Approval
This product has been assessed as not hazardous under the Hazardous Substances and New Organisms Act (HSNO).

Classes
none

SYMBOLS
None

Other Classifications
There are no other classifications that are known to apply.
NOTE: Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Precautionary Statements
none

3. Composition / Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS/ Identification</th>
<th>Conc (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modified polysiloxane</td>
<td>Proprietary</td>
<td>Not specified</td>
</tr>
<tr>
<td>Ingredients not contributing to HSNO classes</td>
<td>Proprietary</td>
<td>balance</td>
</tr>
</tbody>
</table>

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

4. First Aid

General Information
If medical advice is needed, have product container or label at hand. You should call the National Poisons Centre if you feel that you may have been harmed by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid: Ready access to running water is recommended.
Exposure

Swallowed
Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor if concerned.

Eye contact
If product gets in eyes, wash material from them with running water for several minutes.
If symptoms persist, seek medical advice.

Skin contact
Flush immediately with large amounts of water. Remove all contaminated clothing.
Contact a doctor if experiencing symptoms

Inhaled
Generally, inhalation of dust is unlikely to result in adverse health effects. If coughing,
dizziness or shortness of breath is experienced, remove the patient to fresh air
immediately. If patient is unconscious, place in the recovery position (on the side) for
transport and contact a doctor.

Advice to Doctor
Treat symptomatically. See Section 11 for information on potential long term health effects from exposure to very fine
crystalline silica dust.

5. Firefighting Measures

Fire and explosion hazards:
There are no specific risks for fire/explosion for this chemical. It is not classed as
flammable.

Suitable extinguishing
substances:
Not applicable.

Unsuitable extinguishing
substances:
Unknown.

Products of combustion:
Product does not burn. Dust may form irritating atmosphere. Product may decompose in
a fire and produce toxic or corrosive fumes.

Protective equipment:
Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat
and eye protection.

Hazchem code:
NA

6. Accidental Release Measures

Containment
There is no current legal requirement for containment of this product.

Emergency procedures
Generally, the containers size will limit a large spill from occurring.
If a significant spill occurs:
Stop leak if safe or necessary. Isolate area. Collect spill, see below. Transfer to
container for disposal. Dispose of according to guidelines below (Section 13).

Clean-up method
This product is not considered flammable or ecotoxic. Small spills do not require any
special clean up method. Larger spills (e.g., greater than 10kg) should be mopped up
and collected.

Disposal
Avoid the generation of dust. Sweep up carefully or vacuum. Collect recoverable material
into labelled containers for recycling or salvage. Recycle containers wherever possible.
This material may be suitable for approved landfill. Dispose of only in accord with all
regulations.

Precautions
No special protective clothing is normally necessary.

7. Storage & Handling

Storage
Avoid storage of harmful substances with food. Containers should be kept closed in
order to minimise contamination. Avoid contact with incompatible substances as listed in
Section 10.

Handling
Keep exposure to a minimum, and minimise the quantities kept in work areas. Avoid
creation of dusts. See section 8 with regard to personal protective equipment
requirements.

8. Exposure Controls / Personal Protective Equipment

Workplace Exposure Standards
A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of
3mg/m³ for respirable particulates and 10mg/m³ for inhalable particulates when limits have not otherwise been established.

<table>
<thead>
<tr>
<th>NZ Workplace Exposure Stds</th>
<th>Ingredient</th>
<th>WES-TWA</th>
<th>WES-STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>No ingredient listed</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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Engineering Controls
In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe airborne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>Protective eyewear is not normally necessary when using this product. However, it always prudent to use protective eyewear if splashes are likely.</td>
</tr>
<tr>
<td>Skin</td>
<td>Protective gloves and clothing are not normally necessary. However, it is prudent to wear gloves when handling chemicals in bulk or for an extended period of time.</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Respirator is not required under normal use. Ensure adequate natural ventilation. If product is being used in confined conditions and dust formation is likely, the use of a particulate mask or respirator is recommended.</td>
</tr>
</tbody>
</table>

WES Additional Information
Not applicable

9. Physical & Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky white liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>mild odour</td>
</tr>
<tr>
<td>pH</td>
<td>8 (when packed)</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>no data</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C</td>
</tr>
<tr>
<td>Volatile materials</td>
<td>no data</td>
</tr>
<tr>
<td>Freezing / melting point</td>
<td>no data</td>
</tr>
<tr>
<td>Solubility</td>
<td>insoluble in water</td>
</tr>
<tr>
<td>Specific gravity / density</td>
<td>~1g/ml @ 20°C</td>
</tr>
<tr>
<td>Flash point</td>
<td>no data</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>no data</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data</td>
</tr>
<tr>
<td>Upper &amp; lower flammable limits</td>
<td>no data</td>
</tr>
<tr>
<td>Corrosiveness</td>
<td>non corrosive</td>
</tr>
</tbody>
</table>

10. Stability & Reactivity

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable</td>
</tr>
<tr>
<td>Conditions to be avoided</td>
<td>Containers should be kept closed in order to avoid contamination. Keep from extreme heat, open flames and direct sunlight.</td>
</tr>
<tr>
<td>Incompatible groups</td>
<td>Strong acids and bases, strong oxidisers.</td>
</tr>
<tr>
<td>Substance Specific</td>
<td>None known</td>
</tr>
<tr>
<td>Incompatibility</td>
<td></td>
</tr>
<tr>
<td>Hazardous decomposition products</td>
<td>Some toxic or irritating fumes may be released during thermal decomposition (e.g. fire)</td>
</tr>
<tr>
<td>Hazardous reactions</td>
<td>None known</td>
</tr>
</tbody>
</table>

11. Toxicological Information

Summary
IF SWALLOWED: Ingestion of this product may cause gastrointestinal irritation and vomiting.
IF IN EYES: may be mildly irritating (transient).
IF ON SKIN: Prolonged or repeated skin contact may cause irritation.
IF INHALED: vapour may be irritating.
### Supporting Data

#### Acute
- **Oral**: No data for mixture
- **Dermal**: No evidence of dermal toxicity.
- **Inhaled**: No evidence of acute inhalation toxicity.
- **Eye**: The mixture is not considered to be an eye irritant.
- **Skin**: The mixture is not considered to be a skin irritant under HSNO.

#### Chronic
- **Sensitisation**: No ingredient present at concentrations > 0.1% is considered a sensitizer.
- **Mutagenicity**: No ingredient present at concentrations > 0.1% is considered a mutagen.
- **Carcinogenicity**: No ingredient present at concentrations > 0.1% is considered a carcinogen.
- **Reproductive / Developmental**: Developmental toxicant or have any effects on or via lactation.
- **Systemic**: No ingredient present at concentrations > 1% is considered a target organ toxicant.
- **Aggravation of existing conditions**: None known.

### 12. Ecological Data

**Summary**
This mixture is not considered ecotoxic.

#### Supporting Data
- **Aquatic**: No evidence of aquatic ecotoxicity. Estimated EC$_{50}$ of the mixture is >100mg/L.
- **Bioaccumulation**: No data
- **Degradability**: No data
- **Soil**: No evidence of soil ecotoxicity.
- **Terrestrial vertebrate**: No evidence of toxicity towards terrestrial vertebrates.
- **Terrestrial invertebrate**: No evidence of toxicity towards terrestrial invertebrates.
- **Biocidal**: No data
- **Degradability**: No data

### 13. Disposal Considerations

#### Restrictions
There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.

#### Disposal method
Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority.

#### Contaminated packaging
Disposal of contaminated packaging must comply with the Hazardous Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any hazardous substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging.

### 14. Transport Information

There are no specific restrictions for this product (not a dangerous good).

- **UN number**: NA  
  - **Proper shipping name**: NA  
  - **Packing group**: NA  
  - **Hazchem code**: 1T (recommended)
15. Regulatory Information

This product is not considered hazardous under the Hazardous Substances and New Organisms Act (HSNO).

**Specific Controls**

Key workplace requirements are:

- **SDS**: Not required.
- **Inventory**: An inventory of all hazardous substances must be prepared and maintained.
- **Labelling**: No removal of labels and/or decanting of product into other containers can occur.
- **Emergency plan**: Not required.
- **Certified handler**: Not required.
- **Tracking**: Not required.
- **Bunding and secondary containment**: Not required.
- **Signage**: Not required.
- **Location compliance certificate**: Not required.
- **Flammable zone**: Not required.
- **Fire extinguisher**: Not required.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

**Other Legislation**

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.

16. Other Information

**Abbreviations**

- **Approval Code**: NA
- **CAS Number**: Unique Chemical Abstracts Service Registry Number
- **Ceiling**: Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
- **Controls Matrix**: List of default controls linking regulation numbers to Matrix code (e.g. T1, I16).
- **EC₅₀**: Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).
- **EPA**: Environmental Protection Authority (New Zealand)
- **HAZCHEM Code**: Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
- **HSNO**: Hazardous Substances and New Organisms (Act and Regulations)
- **IARC**: International Agency for Research on Cancer
- **LEL**: Lower Explosive Limit
- **LD₅₀**: Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
- **LC₅₀**: Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats).
- **MSDS (SDS)**: Material Safety Data Sheet (or Safety Data Sheet)
- **PES**: Prescribed Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO (including group standards).
- **STEL**: Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded.
- **TWA**: Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)
- **UEL**: Upper Explosive Limit
- **UN Number**: United Nations Number
- **WES**: Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker’s breathing zone.
References
Data
Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).

Controls

WES

Other References:
EU ECHA, Ingredients SDS’s, ChemIDplus

Review
Date
June 2018
Reason for Review
NA – new SDS

Disclaimer
This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications, are based on our experience, EPA Guidelines and international classifications. A compliance record is available on request. This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: (09) 940 30 80.

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