

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **DEGADUR® F111**
 Product Use: Industrial coating aggregate
 Restriction of Use in NZ: Refer to Section 15

Company Name: **Degafloor NZ**
 Address: 6 Sheffield Street
 Levin, 5510

Telephone: +64 6 367 9799
 E-mail: orders@degafloor.nz
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 15 September 2020

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Surface Coatings and Colourants (subsidiary) – HSR002670

Pictograms



Irritant Corrosive

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1E (dermal)	H313	May be harmful in contact with skin.	Acute Tox. 3
6.1E (Resp)	H335	May cause respiratory irritation.	STOT SE 3
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
8.3A	H318	Causes serious eye damage.	Eye Corr. 1

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P261	Avoid breathing fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.

P362	Take off contaminated clothing and wash before re-use.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove 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 lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Portland cement	70,0 - 90,0%	65997-15-1
Calcium oxide	3,0 - 7,0%	1305-78-8

Section 4. First Aid Measures

General information: This product contains cement. Cement has an alkaline reaction with moisture or mixing water. Mortar droppings, milk-of-lime, or mixing water could thus cause skin irritations or burning mucous membranes (e.g. eyes). Medical treatment is necessary if symptoms are evidently caused by the effects on the skin, or the eyes, or by inhalation of its dust.

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
If on Skin	Take off contaminated clothing and wash before re-use. Wash skin with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. Seek medical attention if needed.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion:	Not applicable.
Inhalation:	May cause respiratory irritation.
Skin:	Causes skin irritation.
Eye:	Causes severe eye damage. Blindness.

Treatment: Symptomatic treatment.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable and non-combustible.
Hazards from products	In case of fire-fighting with water or foam be aware of dangers of corrosion and of slipping.
Suitable Extinguishing media	Fire extinguishing method of surrounding areas must be discussed.
Precautions for firefighters and special protective clothing	No special precautions.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures**Personal precautions:**

Use protective clothing as detailed in Section 8. Keep out unprotected persons.

Environmental precautions:

Prevent product from getting into drains/surface water/groundwater.

Spill and Disposal procedures:

Take up mechanically.

Dispose of in accordance with local regulations detailed in Section 13.

Section 7. Handling and Storage**Precautions for Handling:**

- Read label before use.
- Avoid breathing vapours or dusts.
- Wash hands before breaks and immediately after handling the product.
- Safety shower and eye wash fountain should be available.
- Avoid the formation and deposition of dust.
- Keep container tightly closed.
- Protect against humidity and water.
- Avoid inhalation, ingestion and contact with skin and eyes.
- Wash contact areas after handling.
- Use only outdoors or in a well-ventilated area.
- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store locked up.
- Store in a well-ventilated place.
- Keep container tightly closed.
- Store in a dry place.
- Protect against humidity and water.
- Product is hygroscopic.

Section 8 Exposure Controls / Personal Protection**WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Cement (d _{sen}) (Portland cement) [65997-15-1]	-	3	-	-
Calcium oxide [1305-78-8]	-	2	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

Provide sufficient ventilation and exhaust at the workplace.

Personal Protection Equipment



Eyes	Tightly fitting safety goggles
Hands	Material: butyl rubber gloves Additional Information: Gloves should be replaced regularly, especially after extended contact with the product., For each work-place a suitable glove type has to be selected.
Skin	For handling larger quantities: Wear chemical-resistant boots and an apron.
Respiratory	respiratory protection in case of dust formation.
General	Immediately remove contaminated clothing. Store work clothing separately. Follow the usual good standards of occupational hygiene. Clean skin thoroughly after work; apply skin cream.

Section 9 Physical and Chemical Properties

Appearance	Solid powder
Colour	Grey
Odour	Odourless
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not classified as a flammability hazard
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density (air=1)	Not available
Density	approx. 3 g/cm ³ (23 °C)
Water Solubility	< 2 g/l (20 °C) Reacts with water.
Partition Coefficient:	Not available
Auto-ignition Temperature	The substance or mixture is not classified as self-heating.
Minimum ignition temperature:	Not available
Decomposition Temperature	No decomposition if used as directed.
Dust Explosion Limit, Lower:	Not available
Dynamic Viscosity	approx. 350 mPa.s (23 °C)
Bulk Density	1,2 g/cm ³

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
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Possibility of hazardous reactions	Reactions with water.
Conditions to Avoid	Humid air and water.
Incompatible Materials	Water.
Hazardous Decomposition Products	None when used as directed.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not triggered however, after swallowing irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. ATEmix : 18.704,53 mg/kg
Dermal	May be harmful if in contact with skin. LD 50 (Rabbit): > 2.000 mg/kg [Main component(s)]
Inhalation	May cause respiratory irritation. ATEmix : 8,18 mg/l Dusts, mists and fumes.
Eye	Causes severe eye damage.
Skin	Causes skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.
Other effects	Prolonged and / or repeated inhalation of product dust can lead to respiratory tract damage. Avoid skin and eye contact and inhalation of product dust/aerosols.

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
Bioaccumulation	No evidence for hazardous properties
Mobility in Soil	No evidence for hazardous properties
Other adverse effects	Release of higher amounts in contact with water possibly hazardous by increased pH-value. Prevent substance from entering soil, natural bodies of water and sewer systems.

Individual component information:

Calcium Oxide (1305-78-8)

Slightly harmful in the aquatic environment or are otherwise designed for biocidal action

Route	Species	Duration	Value LC50/EC50
Acute aquatic, fish	Clarias gariepinus (Zambezi barbel)	96 hr	33.88 mg/L
Biocumulative	No		
Rapidly Degradable:	Yes		

Section 13. Disposal Considerations

Disposal Method:

Waste is non-hazardous. It should be disposed of in accordance with the regulations after consultation of the competent local authorities and the disposal company in a

suitable and licensed facility.

Contaminated Packaging:

Contaminated packages must be emptied as good as possible. They may then be recycled after proper cleaning. Packages that cannot be cleaned must be disposed of in the same way as the substance. Uncontaminated packaging may be taken for recycling.

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Surface Coatings and Colourants (subsidiary) – HSR002670

HSNO Classification: 6.1E(Dermal, Resp), 6.3A, 8.3A

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 kg (8.3A)
Emergency Response Plan	10 000 kg (8.3A)
Secondary Containment	10 000 kg (8.3A)
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state

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Please contact Degafloor NZ, if further information is required.

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