

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **StoCrete EH200 Komp B**
 Product Use: Coating material. Reserved for industrial and professional use.
 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 (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 dusts.
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.

P312	Call a POISON CENTER or doctor/physician if you feel unwell.
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	≥20- <30	65997-15-1
hexacalcium hexaoxotris[sulphato(2-)] dialuminate(12-)	≥10- <20	12004-14-7
calcium hydroxide	≥1 - <10	1305-62-0
Quartz (particle of sand < 12 µm less than 1 %)	≥30- <40	14808-60-7

Section 4. First Aid Measures

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 possible, use isotonic eye rinse solution (e.g. 0,9% NaCl).
If on Skin	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. 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.

Treatment: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable or non-combustible.
Hazards from products	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, fumes.
Suitable Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Precautions for firefighters and special protective clothing	No special measures required.
HAZCHEM CODE	None allocated

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

Use protective clothing as detailed in Section 8. Keep out unprotected persons. Avoid dust formation. Ensure adequate ventilation.

Environmental precautions:

The product should not be allowed to enter drains, water courses or the soil.
If the product contaminates rivers and lakes or drains inform respective authorities.

Spill and Disposal procedures:

Use mechanical handling equipment. Moisten and remove. Avoid whirling up dust - vacuum-clean rooms instead of sweeping. Do not use compressed air for cleaning purposes. Dispose of contaminated material as waste according to item 13. Clean contaminated surface thoroughly. Dispose according to Section 13.

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

- Keep out of reach of children.
- Read label before use.
- Avoid dust formation.
- Avoid breathing dusts.
- When using do not eat, drink or smoke.
- Avoid contact with the skin and the eyes.
- Wash hands thoroughly after handling.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as per Section 8.
- When handling sacked goods and using open mixing containers, first pour in water, then carefully allow the dry mortar to run in. Keep fall height low. Start up mixer slowly.
- Do not compress empty sacks, e.g. in a larger sack.
- Large loads of over 25 kg should be moved not by hand but with the aid of mechanical equipment only. Depending on the employee's age, gender and constitution and the frequency with which loads are lifted and carried, they may also induce a high level of strain at lower weights.
- Do not kneel in fresh product while working.
- Provide sufficient air exchange and/or exhaust in work rooms.
- Do not re-use empty containers.

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 original container.
- Protect from humidity and water.

- Manufacturer's notes on storage conditions and product life must be observed.
- Keep in a dry place.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Portland cement (dsen) (2018) [65997-15-1]	-	3	-	-
Calcium hydroxide [1305-62-0]	-	5	-	-

Additional advice:

Quartz (particle of sand < 12 µm less than 1 %) [14808-60-7]

Longer and / or strong inhalation of alveolae penetrating fine quartz dust can lead to pneumoconiosis, also known as silicosis. The effect of quartz dust (including cristobalite and tridymite) is a long-term effect and largely depends on the dose of dust, which is determined by the average dust concentration over a long period of time (respirable fraction).

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

To avoid dust formation, closed systems (e.g. silo with feed system), local extractors or other technical control devices should be used, e.g. plastering machines or continuous mixers with special auxiliary equipment for collecting dust. Washing facilities / water for rinsing eyes and skin should be available. Maintain air concentrations below occupational exposure standards.

Personal Protection Equipment



Eyes	Safety glasses with side-shields conforming to EN166
Hands	Material: nitrile rubber Wearing time: Splashes: <20min Prolonged contact up to 8 hrs: >480min Minimum thickness: Splashes: 0.2mm Up to 8 hrs: >0.4mm Additional Information: Wetted gloves must be disposed of immediately!
Skin	Impervious clothing If splashes are likely to occur, wear: Solvent-resistant apron and boots
Respiratory	In case of inadequate ventilation wear respiratory protection. Recommended Filter type: A/P2 combination filter, alternatively a respiratory protective device independent from the surrounding air. Respiratory protection complying with EN 14387. For rescue and maintenance work in storage tanks use self-contained breathing apparatus.
General	Washing facilities / water for rinsing eyes and skin should be available.

Section 9 Physical and Chemical Properties

Appearance	Powder
Colour	Grey
Odour	Characteristic
Odour Threshold	Not available
pH	>11.5 (aqueous suspension)

Product Name: StoCrete EH200 Komp B
Date of SDS: 15 September 2020

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
Tel: 64 9 475 5240 www.techcomp.co.nz

Boiling Point	100°C
Melting Point	0°C
Freezing Point	Not available
Flash Point	Not available
Flammability	The product is not flammable.
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density (air=1)	Not available
Density	ca. 1,15 - 1,5 g/cm ³
Water Solubility	Completely miscible
Partition Coefficient:	Not available
Auto-ignition Temperature	not auto-flammable
Minimum ignition temperature:	Not available
Decomposition Temperature	Not available
Dynamic Viscosity	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	None known.
Conditions to Avoid	Avoid exposure to water and moisture during storage (moisture leads to an alkaline reaction which causes the mixture to harden).
Incompatible Materials	Reacts exothermically with acids; the moist product is alkaline and reacts with acids, ammonium salts and base metals, e.g. aluminium, zinc, brass. The reaction with base metals produces hydrogen.
Hazardous Decomposition Products	When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, fumes.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause respiratory irritation.
Eye	Causes serious eye damage
Skin	Causes skin irritation. As long as the product life date is not exceeded and the stated personal protection measures are observed, a sensitising effect is not to be expected. When exceeding the shelf life of the product there is a risk of skin rash in cases of hypersensitivity to Chromium (VI).

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 information	Cement may exacerbate existing illnesses of the skin, eyes and respiratory passages, e.g. in case of pulmonary emphysema or asthma.
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Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	Eco-toxic effects, in particular aquatic toxicity, are only possible when larger quantities are released into water resulting in a change of the pH-value. Do not flush into surface water or sanitary sewer system.

Section 13. Disposal Considerations

Disposal Method:

Opened and left-over materials can be used later. Only material no longer suitable for use should be mixed with water and allowed to harden. Hardened product residues may be disposed of as industrial waste or building rubble. Unhardened product residues should be disposed of as per Local Regulations.

Contaminated Packaging:

Packaging that is not properly emptied must be disposed of as the unused product. Empty packaging should be recycled through disposal systems.

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(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.

Product Name: StoCrete EH200 Komp B
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SDS Prepared by: Technical Compliance Consultants (NZ) Ltd
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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

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Please contact Degafloor NZ, if further information is required.

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