

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **StoCrete EH 200 Comp. A**
 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

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation.	Skin Irrit. 2
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
9.1C	H412	Harmful to aquatic life with long lasting effects.	Aquatic Chronic 3

Prevention Code	Prevention Statement
P103	Read label before use.
P261	Avoid breathing fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
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P362	Take off contaminated clothing and wash before re-use.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

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

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight ≤ 700)	$\geq 1 - < 10$	25068-38-6
Bisphenol F epichlorhydrin resin with average mol. weight ≤ 700	$\geq 1 - < 10$	9003-36-5
1,2-benzisothiazol-3(2H)-one	< 0.05	2634-33-5

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. If eye irritation persists: Get medical advice/attention. Eye rinsing bottle must be kept immediately to hand.
If on Skin	Take off contaminated clothing and shoes immediately. Take off contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If symptoms persist, call a physician.
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:	Not applicable.
Skin:	Causes skin irritation. May cause an allergic skin reaction.
Eye:	Causes severe eye irritation.

Treatment: Symptomatic treatment.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable and non-combustible.
Hazards from products	Fire may cause evolution of: Carbon monoxide Carbon dioxide (CO ₂) Nitrogen oxides (NO _x)
Suitable Extinguishing media	CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Do not use high volume water jet.
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals. Water for firefighting must not be emptied into drains, earth or waters. Contaminated water and earth must be disposed of according to official local regulations.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Personal precautions:

Use protective clothing as detailed in Section 8. Keep out unprotected persons. Do not breathe fumes / aerosol. Ensure adequate ventilation.

Environmental precautions:

Prevent seepage into sewage system, workpits and cellars. Do not allow contact with soil, surface or ground water.

Spill and Disposal procedures:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal. Dispose according to Section 13. Clean contaminated surface thoroughly.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid breathing fumes, vapours or spray.
- When using do not eat, drink or smoke.
- Wash hands thoroughly after handling.
- After washing hands, replenish lost skin oil by means of oily skin ointment.
- Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- Do not re-use empty containers.
- Contaminated work clothing should not be allowed out of the workplace.
- Keep working clothes separately.
- Avoid release to the environment.
- 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 in original container.
- Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Protect from frost, heat and sunlight.
- 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

No ingredients have exposure limits.

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

Ensure adequate ventilation is available.

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	Liquid
Colour	White
Odour	Perceptible
Odour Threshold	Not available
pH	ca. 7 - 9
Boiling Point	Not available
Melting Point	Not available
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. 1,03 - 1,04 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	Reacts with amines. Reacts with acids. Reacts with the following substances: alkalines
Conditions to Avoid	Direct sources of heat. Strong sunlight for prolonged periods.
Incompatible Materials	Strong acids and strong bases. Avoid unintentional contact with amines. Strong oxidizing agents.
Hazardous Decomposition Products	No decomposition if stored and applied as directed. Polymerisation is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and/or rupture containers. In case of fire hazardous decomposition products may be produced such as: Hydrogen chloride (HCl)

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation. May cause an allergic skin reaction.

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.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1C = Harmful to aquatic life with long lasting effects.

Persistence and degradability	Product: No data available. reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight ≤ 700) : not rapidly degradable 1,2-benzisothiazol-3(2H)-one: rapidly degradable Biodegradation: > 90 % Method: OECD Test Guideline 303A
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Bioaccumulation	Product: No data available. reaction product: bisphenol-A-(epichlorhydrin) and epoxy resin (number average molecular weight ≤ 700) : Bioaccumulation : Bioconcentration factor (BCF): 160 – 263 Partition coefficient: noctanol/water = log Pow: 3,7 - 3,9 1,2-benzisothiazol-3(2H)-one: Partition coefficient: noctanol/water = log Pow: 0,4
Mobility in Soil	No data available.
Other adverse effects	Do not allow product to enter into ground water, bodies of water or sewage systems. Harmful to aquatic life with long lasting effects.

Individual Components:

1,2-benzisothiazol-3(2H)-one:

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): 1,6 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

EC50 (Daphnia (water flea)): 2,94 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae

EC50 (Selenastrum capricornutum (green algae)): 0,11 mg/l

Exposure time: 72 h

Method: OECD Test Guideline 201

M-Factor (Acute aquatic toxicity) 1

Toxicity to microorganisms

EC50 (Pseudomonas putida): 0,4 mg/l

Exposure time: 16 h

Section 13. Disposal Considerations

Disposal Method:

Triple rinse and dispose according to 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: Do not allow to enter waterways.

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: 6.3A, 6.4A, 6.5B, 9.1C

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 L (9.1C)
Emergency Response Plan	1000 L (9.1C)
Secondary Containment	1000 L (9.1C)

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 of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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Please contact Degafloor NZ, if further information is required.

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