

## SAFETY DATA SHEET

**Section 1. Identification of the material and the supplier**

Product: **Glasscorp Greenseal Grey**  
 Product Code: FB888 / FB888F  
 Product Use: Adhesives and/or sealants  
 Restriction of use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**  
 Address: **124 Bush Road  
 Albany  
 Auckland  
 New Zealand**

Telephone: 09 415 6338  
 Fax Number: 09 415 6339  
 Website: www.glasscorp.co.nz

**Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)**

Glasscorp date of issue: 16 April 2020

**Section 2. Hazards Identification**

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

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

Pictograms:



Allergic

Signal Word: **Warning**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
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 and spray.
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
P363	Wash contaminated clothing before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Triple rinse and dispose of according to local regulations

### Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Cas Number	Weight
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine	100545-48-0	1 - <3
Dioctyltinbis(acetylacetonate)	54068-28-9	0.1- <1
Bis(2,2,6,6-tetramethyl-4-piperidyl)sebacate	52829-07-9	0.1- <1
3-(Triethoxysilyl) propylamine	919-30-2	0.1- <1
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	0.1- <1
Non hazardous	Proprietary	To bal

### Section 4. First Aid Measures

#### Routes of Exposure:

If in Eyes	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
If on Skin	Wash off immediately with soap and plenty of water. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.
If Swallowed	Do NOT induce vomiting. Call a physician immediately. If swallowed, rinse mouth with water (only if the person is conscious). Small amounts of toxic methanol are released by hydrolysis.
If Inhaled	Move person to fresh air. If not breathing, give artificial respiration; if by mouth to mouth use rescuer protection (pocket mask, etc). If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility.

#### Most important symptoms and effects, both acute and delayed

Symptoms:

Swallowed:	Not applicable
Inhaled:	Not applicable
Eyes:	Not applicable
Skin:	May cause an allergic skin reaction.
Chronic:	Not applicable.

Notes to Doctor: May cause sensitization of susceptible persons. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	Thermal decomposition can lead to release of toxic/corrosive gases and vapors.
<b>Suitable Extinguishing media</b>	Carbon dioxide (CO <sub>2</sub> ). Extinguishing powder. Water spray or fog. Alcohol resistant foam.
<b>Precautions for firefighters and special protective clothing</b>	In case of fire: Wear self-contained breathing apparatus. Do not allow run-off from fire-fighting to enter drains or water courses.
<b>HAZCHEM CODE</b>	<b>None allocated.</b>

## Section 6. Accidental Release Measures

### Equipment and emergency procedures

Use personal protection recommended in Section 8.

### Environmental precautions

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

### Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust) Take up mechanically, placing in appropriate containers for disposal according to local / national regulations (see Section 13).

## Section 7. Handling and Storage

### Precautions for safe handling:

- Read label before use.
- Avoid breathing fumes, vapours and spray.
- Avoid contact with skin, eyes and clothing.
- No special fire protection measures are necessary.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.

### Precautions for safe storage:

- Protect from moisture.
- Keep container tightly closed and dry.
- Keep away from water.

## Section 8 Exposure Controls / Personal Protection

### WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA	mg/m <sup>3</sup>	STEL	mg/m <sup>3</sup>
	ppm		ppm	

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, especially in confined areas.

### Personal Protection Equipment



<b>Eyes</b>	Wear safety glasses with side shields (or goggles).
<b>Hands and Skin</b>	Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers. Wear suitable protective clothing. No special technical protective measures are necessary under normal conditions.
<b>Respiratory</b>	No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask, or for short periods of work, a combination of professional filter is recommended.
<b>General</b>	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse.

### Section 9 Physical and Chemical Properties

<b>Appearance</b>	Grey Paste
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Relative Density</b>	1.5 g/cm <sup>3</sup>
<b>Specific Gravity</b>	Not available
<b>Soluble in water</b>	Reacts with water
<b>Partition Coefficient:</b>	Not available
<b>Auto-ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Product cures with moisture.
<b>Conditions to Avoid</b>	Protect from moisture.
<b>Incompatible Materials</b>	Water.
<b>Hazardous Decomposition Products</b>	None under normal use and recommended storage conditions.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Swallowed</b>	Not applicable.
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	May cause an allergic skin reaction.

**Chronic Effects:**

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Unknown acute toxicity**

17.07858 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

17.07858 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity  
17.07858 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

17.07858 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

15.268 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine 100545-48-0	LD50 >2000 mg/kg (Rat)	-	LC50 =5.05 mg/kg (Rat)
Diocetylbinbis(acetylacetonate) 54068-28-9	LD50 =2500 mg/kg (Rat)	LD50 >2000 mg/kg (Rat)	-
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	LD50 (rat) > 2000 mg/kg OECD 423	LD50 (rat) > 3 170 mg/kg OECD 402	= 500 mg/m <sup>3</sup> ( Rat ) 4 h
3-(Triethoxysilyl) propylamine 919-30-2	LD50 = 1490 mg/kg (Rat, female) EPA OTS 798.1175	LD50 = 4075 mg/kg (Rabbit) EPA OTS 798.1100	LC50 >144 mg/L (6h) Rat (Vapour)
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	LD50 = 2295 mg/kg (rat) EPA OPPTS 870.1100	LD50 > 2000 mg/kg (rabbit) EPA OPPTS 870.1200	-

**Section 12. Ecotoxicological Information**

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Octadecanoic acid, 12-hydroxy-, reaction products with ethylenediamine 100545-48-0	EL50 (72h) >100 mg/L Algae (Pseudokirchneriella subcapitata)	LL50 (96h) >10mg/L Fish (Onchohynchus mykiss)	EL50 (48h) >10mg/L Daphnia (Daphnia magna)
Diocetylbinbis(acetylacetonate) 54068-28-9	-	LC50 (96h) =86 mg/L Fish (Static)	EC50 (48h) =58.6 mg/L Waterflea (Daphnia magna)
Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9	EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata)	LC50 (96h) = 5.29 mg/l (Oryzias latipes)	LC50 48Hr 8.58 mg/l (Daphnia magna)
3-(Triethoxysilyl) propylamine 919-30-2	EC50 (72h) >1000 mg/L Green algae (desmodesmus subspicatus) (OECD TG 201)	LC50 (96h) >934 mg/L Fish (Brachydanio rerio) (OECD TG 203)	EC50 (48h) =331 mg/L Daphnia magna (OECD TG 202)
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	-	LC50 (96H) =597 mg/L Fish (Danio rerio)Semi-static	EC50 (48h) =81mg/L Daphnia magna Static

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available

<b>Other adverse effects</b>	No data available
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Do not allow to enter waterways.

### Section 13. Disposal Considerations

#### Disposal Method:

Uncured product should be disposed of as hazardous waste. Dispose of in accordance with federal, state and local regulations

**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

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

HSNO Classification: 6.5B, 9.1C

<b>HSW (HS) Regulations 2017</b>	<b>Trigger Quantity</b>
Certified Handlers	Not required
Location Certificate	Not required
Signage Trigger Quantities (Schedule 3)	1000L/kg (9.1C)
Emergency Response Plan (Schedule 5)	1000L/kg (9.1C)
Secondary Containment (Schedule 5)	1000L/kg (9.1C)
Tracking (Schedule 26)	Not required
Restriction of use	Only for intended use.

### Section 16 Other Information

#### Glossary

AWC	Aggregate water capacity.
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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

#### References:

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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Issue Date: 16 April 2020

Review Date: 16 April 2025