

## SAFETY DATA SHEET

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

Product: **ANOSEAL**  
 Product Code: FB777A  
 Product Use: Adhesives 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: 21 June 2023

### Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

#### Pictograms



**Signal Word: DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 2	H225	Highly flammable liquid and vapour.
Eye irritation Cat. 2	H319	Causes serious eye irritation.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

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
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use alcohol-resistant foam, carbon dioxide (CO <sub>2</sub> ), water spray, fog, mist or powder for extinction.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

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

### Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Weight-%
Acetone	67-64-1	20- <40
2-Propenenitrile, polymer with 1,3-butadiene	9003-18-3	10 - <20
Kaolinite	1318-74-7	10 - <20
Ethyl acetate	141-78-6	10 - <20
Methyl ethyl ketone	78-93-3	10 - <20
SI Group phenolic resin	--	5 - <10
Vinyl chloride-vinyl acetate-maleic acid polymer	9005-09-8	1 - <5
Epoxidized soybean oil	8013-07-8	1 - <5
Polyethylene	9002-88-4	1 - <3
Polyvinyl chloride	9002-86-2	1 - <3
Quartz	14808-60-7	1 - <3
Aluminum	7429-90-5	0.1- <1
Calcium distearate	1592-23-0	0.1- <1
Naphtha, petroleum, hydrotreated heavy, <0.1%	64742-48-9	0.1- <1
Water	7732-18-5	0.1- <1
Polyvinyl alcohol	9002-89-5	0.1- <1
Xylenes (o-, m-, p- isomers)	1330-20-7	0.1- <1
4-tert-Butylphenol	98-54-4	0.1- <1
Formaldehyde	50-00-0	<0.01

### 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. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

If on Skin	Remove contaminated clothing immediately and wash skin with soap and water. Seek medical attention and take along these instructions.
If Swallowed	Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
If Inhaled	Remove the affected individual into fresh air and keep the person calm. If symptoms persist, seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

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

Symptoms:	Refer to Section 11 for full details: Causes eye irritation. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Advice to Doctors:	Treat symptomatically.

## **Section 5. Fire Fighting Measures**

<b>Hazard Type</b>	Flammable liquid or vapour. Keep product and empty container away from heat and sources of ignition.
<b>Hazards from combustion products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Hydrogen chloride. Silicon oxides.
<b>Suitable Extinguishing media</b>	Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam. CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Precautions for firefighters and special protective clothing</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>HAZCHEM CODE</b>	<b>3Y</b>

## **Section 6. Accidental Release Measures**

### **Personal precautions, protective equipment and emergency procedures**

Evacuate personnel to safe areas. Use personal protective equipment as required as per Section 8. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### **Methods and material for containment and cleaning up**

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. For waste disposal, see section 13 of the SDS.

## Section 7. Handling and Storage

### Precautions for safe handling:

- Read carefully and follow all instructions.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Avoid breathing fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area. Use with local exhaust ventilation.
- Wear protective clothing as detailed in Section 8.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Avoid breathing vapors or mists.
- Keep in an area equipped with sprinklers.
- Avoid contact with skin, eyes or clothing.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.

### Precautions for safe storage:

- Store locked up.
- Store in a cool, well-ventilated place. Keep container tightly closed.
- Store away from incompatible materials (see Section 10 of the SDS).
- Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
- Keep in properly labeled containers.
- Do not store near combustible materials.
- Keep in an area equipped with sprinklers.
- Protect from moisture.

## Section 8 Exposure Controls / Personal Protection

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

Substance		TWA ppm	mg/m <sup>3</sup>	STEL ppm	mg/m <sup>3</sup>
Acetone	[67-64-1]	500	1185	1000	2375
Ethyl acetate	[141-78-6]	200	720	-	-
MEK (Methyl ethyl ketone)					
2-Butanone	[78-93-3]	150	445	300	890
Aluminium, Metal dust (as Al)	[7429-90-5]	-	10	-	-
Xylene (o-, m-, p-isomers)	[1330-20-7]	50	217	-	-
Formaldehyde	[50-00-0]	0.3	0.6	-	-

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 APRIL 2022 13TH EDITION

### Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

### Personal Protection Equipment



<b>Eyes</b>	Tight sealing safety goggles. Face protection shield.
<b>Hands</b>	Wear protective gloves. The breakthrough time of the gloves depends on the material and the thickness as well as the temperature.
<b>Skin</b>	Antistatic footwear. Wear fire/flame resistant/retardant clothing. Suitable protective clothing.
<b>Respiratory</b>	In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. In case of inadequate ventilation wear respiratory protection. Recommended filter type: Organic gases and vapors filter conforming to EN 14387.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Silver Paste/Gel Liquid
<b>Odour</b>	Solvent
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Initial Boiling Point</b>	56°C
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	-17°C
<b>Flammability</b>	Not available
<b>Upper and Lower Explosive Limits</b>	2% – 12%
<b>Vapour Pressure</b>	Not available
<b>Relative Vapour Density</b>	Not available
<b>Density (20°)</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Soluble in water</b>	Not available
<b>Partition Coefficient:</b>	Not available
<b>Auto ignition temperature</b>	460°C
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Solid content(%)</b>	Approx. 48

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	None under normal processing.
<b>Conditions to Avoid</b>	Heat, flames and sparks. Protect from moisture.
<b>Incompatible Materials</b>	None known based on information supplied.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not classified however if ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. ATEmix (oral) 19,492.40 mg/kg
<b>Dermal</b>	Does not contain any ingredients classified as acutely toxic.
<b>Inhalation</b>	May cause irritation of respiratory tract. May cause drowsiness or

	dizziness.
<b>Eye</b>	Causes serious eye irritation. (based on components). May cause redness, itching, and pain.
<b>Skin</b>	Not classified however may cause irritation. Prolonged contact may cause redness and irritation.

### Chronic Effects:

<b>Carcinogenicity</b>	Does not contain any ingredients classified as carcinogenic.
<b>Reproductive Toxicity</b>	Does not contain any ingredients classified as toxic for reproduction.
<b>Germ Cell Mutagenicity</b>	Does not contain any ingredients classified as mutagenic.
<b>Aspiration</b>	Does not contain any ingredients classified as Asp Tox.
<b>STOT/SE</b>	Does not contain any ingredients classified as STOT SE.
<b>STOT/RE</b>	May cause drowsiness or dizziness.
<b>Target Organs</b>	Blood. Central nervous system. Eyes. Gastrointestinal tract (GI). Liver. Lymphatic System. Reproductive system. Respiratory system. Skin. Lungs.

### Individual component information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Acetone	=5800 mg/kg (Rattus)	>15800 mg/Kg (Rattus)	=79 mg/l(Rattus) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus cuniculus)	=11700 ppm (Rattus) 4 h
Epoxidized soybean oil	=40 g/kg (Rattus)	> 20 mL/kg (Oryctolagus cuniculus)	-
Polyethylene	=8 g/kg (Rattus) > 2000 mg/kg (Rattus)	LD50 >2000 mg/Kg (Oryctolagus cuniculus)	-
Quartz	>2000 mg/kg (Rattus)	-	-
Aluminum	LD50 >10,000 mg/Kg	-	-
Calcium distearate	>10 g/kg (Rattus)	> 2000 mg/kg ( Rat )	-
Naphtha, petroleum,	>6000 mg/kg (Rattus)	> 3160 mg/kg (Oryctolagus	LC50
Water	>90 mL/kg (Rattus)	-	-
Polyvinyl alcohol	=23854 mg/kg (Rattus)	-	-
Xylenes (o-, m-, p- isomers)	=3500 mg/kg (Rattus)	> 1700 mg/kg (Oryctolagus	=>47635
4-tert-Butylphenol	=4000 mg/kg (Rattus)	LD50 >5000 mg/kg	-
Formaldehyde	=100 mg/kg (Rattus)	= 270 mg/kg (Oryctolagus	=0.578 mg/L

## Section 12. Ecotoxicological Information

Product is not expected to be hazardous to the environment.

<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

### Individual Component Ecotoxicity Data:

Chemical name	Algae/aquatic plants	Fish	Crustacea
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss )	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)

Ethyl acetate	EC50: =3300mg/L (48h, Desmodesmus subspicatus)	LC50: =484mg/L (96h, Oncorhynchus mykiss) LC50: 352 - 500mg/L (96h, Oncorhynchus mykiss) LC50: 220 - 250mg/L (96h, Pimephales promelas)	EC50: =560mg/L (48h, Daphnia magna)
Methyl ethyl ketone	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 48 h > 308 mg/L (Daphnia magna )
Epoxidized soybean oil	EC50: =8mg/L (72h, Desmodesmus)	LC50: =900mg/L (48h, Leuciscus idus)	-
Naphtha, petroleum, hydrotreated heavy, <0.1% Benzene	EL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata) OECD 201	LC50: =2200mg/L (96h, Pimephales promelas)	LL50 (48h) > 1000 mg/l (Daphnia magna) OECD 202
Xylenes (o-, m-, p- isomers)	-	LC50 96 h 2.6 mg/L (Oncorhynchus mykiss ) (OECD 203)	EC50 48 h = 3.4 mg/L (Daphnia magna)
4-tert-Butylphenol	EC50: =11.2mg/L (72h, Desmodesmus subspicatus)	LC50: =6.9mg/L (96h, Cyprinus carpio) LC50: 4.71 - 5.62mg/L (96h, Pimephales promelas)	EC50: 3.4 - 4.5mg/L (48h, Daphnia magna) EC50: =3.9mg/L (48h, Daphnia magna)
Formaldehyde	-	LC50: =41mg/L (96h, Brachydanio rerio) LC50: =1510?g/L (96h, Lepomis macrochirus) LC50: 0.032 - 0.226mL/L (96h, Oncorhynchus mykiss) LC50: 100 - 136mg/L (96h, Oncorhynchus mykiss) LC50: 22.6 - 25.7mg/L (96h, Pimephales promelas) LC50: 23.2 - 29.7mg/L (96h)	LC50: =2mg/L (48h, Daphnia magna) EC50: 11.3 - 18mg/L (48h, Daphnia magna)

### Section 13. Disposal Considerations

#### Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – "Flammable" and that the label also has the Flammable Pictogram, waste type identifier, and the business name, address, and phone number.

#### Contaminated Packaging:

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

**Precautions or methods to avoid:** None known.

### Section 14 Transport Information

**This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**



#### Road, Rail, Sea and Air Transport

UN No	1133
Class - Primary	3



<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ADHESIVES containing a flammable liquid
<b>Marine Pollutant</b>	No
<b>Special Provisions</b>	If the product's individual container is below 5L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

## Section 15 Regulatory Information

EPA Approval Code: Surface Coatings and Colourants (Flammable) – HSR002662

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	100L (>5L), 250L (<5L); 50L open.
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	250L
Fire Extinguisher Quantities	250L – 2x required
Emergency Response Plan	1000L
Secondary Containment	1000L
Restriction of Use	Only use for the intended purpose.

## Section 16 Other Information

### Glossary

Cat	Category
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 APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

### Disclaimer

This document has been issued by Glasscorp Limited and serves as the product Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to Glasscorp Limited by the Manufacturer 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 Glasscorp Limited 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, Glasscorp Limited 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. The information herein is given in good faith, but no warranty, express or implied is made. Please contact Glasscorp Limited, if further information is required.

Issue Date: 21 June 2023

Review Date: 21 June 2028