SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Glasscorp Small Joint Sealer White**
Product Code:	FB781-W/ FB781A-W
Product Use:	Sealant
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 v2

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.
Aspiration hazard Cat. 1	H304	May be fatal if swallowed and enters airways.
Skin irritation Cat. 2	H315	Causes skin irritation.
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Reproductive toxicity Cat. 2	H361	Suspected of damaging fertility or the unborn child.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment	H411	Toxic to aquatic life with long lasting

chronic Cat. 2		effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
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 and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes, mist, vapours and spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
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.
P281	Use personal protective equipment as required.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P370 + P378	In case of fire: Use CO2, dry chemical, or foam 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	Triple rinse and dispose of according to local regulations

Section 3. Composition / Information on Ingredients

Hazardous Ingredients	Cas Number	Weight
Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene	64742-82-1	10- <30
Toluene	108-88-3	10 - <30
1,2,4-trimethylbenzene	95-63-6	<10
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. Keep eye wide open while rinsing. Do not rub affected area.
If on Skin	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
If Swallowed	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.
If Inhaled	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.

Most important symptoms and effects, both acute and delayed

Symptoms:	
Swallowed:	May be fatal if swallowed and enters airways.
Inhaled:	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.
Eyes:	Not applicable.
Skin:	Causes skin irritation. May cause an allergic skin reaction. Itching. Rashes. Hives
Chronic:	Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.
Notes to Doctor:	May cause sensitization in susceptible persons. Treat symptomatically. Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Liquid. Keep product and empty container away from heat and sources of ignition.
Hazards from combustion products	Carbon oxides. Hydrocarbons. Silicon dioxide.
Suitable Extinguishing media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam. CAUTION: Use of water spray when fighting fire may be inefficient. Do not scatter spilled material with high pressure water streams.
Precautions for firefighters and special protective clothing	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. 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.
HAZCHEM CODE	**3YE**

Section 6. Accidental Release Measures

Equipment and emergency procedures
Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. 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
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
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. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for safe handling:

- Read carefully and follow all instructions.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- 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 and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Keep in an area equipped with sprinklers.
- Do not breathe fumes, mist, vapours and spray.
- Wash hands thoroughly after handling.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing as detailed in Section 8.
- Avoid contact with skin, eyes or clothing.
- In case of insufficient ventilation, wear suitable respiratory equipment.
- Do not eat, drink or smoke when using this product.
- Take off contaminated clothing and wash before reuse.

Precautions for safe storage:

- Store locked up.
- Keep out of reach of children.
- Keep away from food, drink and animal feeding stuffs.
- Store at temperatures between 5 and 25^{0}C
- Keep containers tightly closed in a dry, cool and well-ventilated place.
- Keep in properly labeled containers.
- Do not store near combustible materials.
- Keep in an area equipped with sprinklers.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA		STEL	
Substance	**ppm**	**mg/m³**	**ppm**	**mg/m³**

Toluene (skin) (Toluol) [108-88-3]	20	75	100	377

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. Provide local exhaust ventilation.

Personal Protection Equipment

Eyes	Tight sealing safety goggles.
Hands and Skin	Wear suitable gloves. Impervious gloves. Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron. Antistatic boots.
Respiratory	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General	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

Appearance	White Paste/Liquid
Odour	Aromatic Solvent
Odour Threshold	Not available
pH	Not available
Boiling Point	Approx. 110°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	Approx 4 °C
Flammability	Highly Flammable
Upper and Lower Explosive Limits	1.1 to 6.0%
Vapour Pressure	Not available
Liquid Density	0.94
Relative Density	Not applicable
Specific Gravity	Not applicable
Soluble in water	Negligible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Solid content (%)	Not available
VOC	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.

Possibility of hazardous reactions:	None under normal processing. Protect from moisture.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	Strong acids. Strong bases. Strong oxidizing agents.
Hazardous Decomposition Products	Carbon Oxides

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not classified. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Dermal	Not applicable.
Inhalation	May cause drowsiness or dizziness. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. ATEmix (inhalation-dust/mist) 74.60 mg/l
Eye	Not applicable.
Skin	Causes skin irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Suspected of damaging fertility or the unborn child.
Germ Cell Mutagenicity	Not applicable.
Aspiration	May be fatal if swallowed and enters airways. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
STOT/SE	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene 64742-82-	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	-
Toluene 108-88-3	= 5580 mg/kg (Rat)	= 12000 mg/kg (Rabbit)	> 20 mg/L (Rat) 4 h
1,2,4-trimethylbenzene	= 3280 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	= 18 g/m³ (Rat) 4 h

Section 12. Ecotoxicological Information

Toxic to aquatic life with long lasting effects.

Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene	-	96 Hr 4.5-23 mg/L (Pimephales promelas) OECD guideline 203	LC50 96 h = 2.6 mg/L (Chaetogammarus marinus) 4.5mg/L (Daphnia magna) OECD guideline 202

Toluene	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50 48 h 5.46 - 9.83 mg/L (Daphnia magna Static) EC50 48 h = 11.5 mg/L (Daphnia magna)
1,2,4-trimethylbenzene	-	LC50 96 h 7.19 - 8.28 mg/L (Pimephales promelas flow-through)	EC50 48 h = 6.14 mg/L (Daphnia magna)

Terrestrial ecotoxicty

Chemical name	Earthworm	Avian	Honeybees
1,2,4-trimethylbenzene	-	Dietary Toxicity: LC50 > 6500 ppm (Colinus virginianus, 5 Days) Acute Oral Toxicity: LD50 > 2250 mg/kg (Colinus virginianus)	-

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Bioaccumulative potential (components)

Chemical name	Partition coefficient
Toluene	3.93
1,2,4-trimethylbenzene	3.63

Do not allow to enter waterways.

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, Chronic, Ecotoxic" and that the label also has the Flammable, Chronic and Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Avoid release to the environment.

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
Packing Group	II
Proper Shipping Name	ADHESIVES (Naphtha, petroleum, hydrodesulfurized heavy <0.1% w/w Benzene)
Marine Pollutant	Yes

Special Provisions	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	Trigger Quantity
Certified Handlers	Not required
Location Certificate	100L(>5L), 250L(<5L), 50L open
Signage Trigger Quantities (Schedule 3)	250L
Emergency Response Plan (Schedule 5)	1000L
Secondary Containment (Schedule 5)	1000L
Tracking (Schedule 26)	Not required
Fire Extinguishers	250L = 2 x required
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

Cat	Category
AWC	Aggregate water capacity.
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

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

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