SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**Pyrosil Primer**
Product Code:	UV184A – 50ml
Product Use:	Adhesives, 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:	11 May 2020

Section 2. Hazards Identification

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

EPA Approval Code: HSR006433

Pictograms:

Flammable

Irritant

Signal Word: **DANGER**

HSNO Classes	Hazard Code	Hazard Statement	GHS Category
3.1B	H225	Highly flammable liquid and vapour.	Flam. Liq. 2
6.1E (oral)	H303	May be harmful if swallowed.	Acute Tox. 5
6.3B	H316	Causes mild skin irritation.	Skin Irrit. 3
6.4A	H319	Causes serious eye irritation.	Eye Irrit. 2A

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
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.
P264	Wash hands thoroughly after handling.
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.
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.
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.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P370 + P378	In case of fire: Use ... <specify appropriate media> for extinction. – This statement applies if water increases risk.

Storage Code	**Storage Statement**
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**
Propan-2-ol; isopropyl alcohol; isopropanol	67-63-0	90-100

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 if needed.

If on Skin — Take off contaminated clothing and wash before re-use. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

If Swallowed — DO NOT induce vomiting. Rinse mouth thoroughly. Never give anything by mouth to a victim who is unconscious or is having convulsions. Seek medical attention if needed.

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: May be harmful if swallowed
Inhaled: Not applicable

Eyes: Causes severe eye irritation.
Skin: Causes mild skin irritation.

Section 5. Fire Fighting Measures

Hazard Type	Highly Flammable Liquid.
Hazards from combustion products	In use may form flammable/explosive vapour-air mixture. Fire may cause evolution of: Carbon monoxide, Carbon dioxide
Suitable Extinguishing media	Water spray, alcohol-resistant foam, dry chemical, carbon dioxide (CO2). Do not use high power water jet.
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
HAZCHEM CODE	**2YE**

Section 6. Accidental Release Measures

Equipment and emergency procedures
Ensure adequate ventilation. Keep away from heat and sources of ignition.
Avoid contact with skin and eyes. Do not breathe vapour. 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). Sweep up and shovel into suitable containers for disposal. Dispose as per Section 13.

Section 7. Handling and Storage

Precautions for safe handling:

- Read label before use.
- 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.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- Vapours are heavier than air and may spread along floors.
- Vapours may form explosive mixtures with air.
- Keep away from heat and sources of ignition. Do not smoke.
- Provide room air exhaust at ground level.
- Avoid formation of aerosol.
- Avoid contact with the skin and the eyes.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.

Precautions for safe storage:

- Keep out of reach of children.
- Store in a well-ventilated place. Keep container tightly closed.
- Keep away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Propan-2-ol (67-63-0)	400	999	500	1250

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

DNEL/DMEL values

CAS No Substance			
DNEL type	Exposure route	Effect	Value
67-63-0 propan-2-ol; isopropyl alcohol; isopropanol			
Consumer DNEL, long-term	oral	systemic	26 mg/kg
Consumer DNEL, long-term	dermal	systemic	319 mg/kg
Worker DNEL, long-term	dermal	systemic	888 mg/kg
Consumer DNEL, long-term	inhalation	systemic	89 mg/m³
Worker DNEL, long-term	inhalation	systemic	500 mg/m³

PNEC values

CAS No Substance	
Environmental compartment	Value
67-63-0 propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater	140,9 mg/l
Freshwater (intermittent releases)	140,9 mg/l
Marine water	140,9 mg/l
Freshwater sediment	552 mg/kg
Marine sediment	552 mg/kg
Micro-organisms in sewage treatment plants (STP)	2251 mg/l
Soil	28 mg/kg

Engineering Controls:
Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

Personal Protection Equipment

Eyes	Wear safety glasses with side shields (or goggles).
Hands and Skin	Wear nitrile rubber gloves (=0.35mm) with a breakthrough time (maximum wearting time) = 480mm. Wear impervious protective clothing.
Respiratory	This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to

	standard EN14387) is used.
General	Avoid contact with skin, eyes and clothing. Provide adequate ventilation. Take off all contaminated clothing immediately. Keep away from food, drink and animal feedingstuffs. When using do not eat or drink. Do not smoke. Wash hands before breaks and at the end of workday.

Section 9 Physical and Chemical Properties

Appearance	Clear Liquid
Odour	Alcoholic
Odour Threshold	Not available
pH	Neutral
Boiling Point	77-78^{0}C
Melting Point	Not available
Freezing Point	Not available
Flash Point	12^{0}C
Flammability	Not available
Upper and Lower Explosive Limits	2 – 12 vol %
Vapour Pressure	48 hPa @20^{0}C
Vapour Density	2 (@20^{0}C)
Relative Density	Not available
Specific Gravity	Not available
Soluble in water	Soluble
Partition Coefficient:	Not available
Ignition Temperature	425^{0}C (not auto-flammable)
Decomposition Temperature	Not available
Dynamic Viscosity	2.4 mPa's @20^{0}C
Solid content (%)	100%

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions:	Vapours may form explosive mixture with air.
Conditions to Avoid	Keep away from heat and sources of ignition.
Incompatible Materials	Strong acids and oxidizing agents
Hazardous Decomposition Products	None known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes eye irritation.
Skin	Causes mild skin irritation.

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.

Chemical Name	Oral LD50	Dermal LD50	Inhalation
propan-2-ol; isopropyl alcohol; isopropanol Cas No 67-63-0	4570 mg/kg (Rat)	13400 mg/kg (rabbit)	LC50 = 30mg/l (rat)

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

CAS No	Chemical name					
	Aquatic toxicity					
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l = 9640 mg/l	96 h	Pimephales promelas		
	Acute algae toxicity	ErC50	>2000	Acute algae toxicity		

Persistence and degradability	Readily biodegradable,
Bioaccumulation	-0.16 Log Pow
Mobility in Soil	The product evaporates readily
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:
Non-contaminated packages may be recycled. Contaminated packages must be completely emptied and can be re-used following proper cleaning. cleaning agent : Water

Precautions or methods to avoid: None known.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Road, Rail, Sea and Air Transport

UN No	1219
Class - Primary	3
Packing Group	II
Proper Shipping Name	ISOPROPANOL (ISOPROPYL ALCOHOL)
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L/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: HSR006433

HSNO Classification: 3.1B, 6.1E(oral), 6.3B, 6.4A

HSW (HS) Regulations 2017	Trigger Quantity
Certified Handlers	Not required
Location Certificate	100L (>5L), 250L (<5L), 50L open (3.1B)
Signage Trigger Quantities (Schedule 3)	250L (3.1B)
Emergency Response Plan (Schedule 5)	1000L (3.1B)
Secondary Containment (Schedule 5)	1000L (3.1B)
Fire Extinguisher	2 x 250L
Tracking (Schedule 26)	Not required
Restriction of use	Only for intended use.

Section 16 Other Information

Glossary

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 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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