

Section 1. Identification of the material and the supplier

Product: **Glasscorp End Seal (Liquid)**
 Product Code: GESL
 Product Use: Treatment of end cuts, notches and nail holes.
 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: 22 March 2018

Section 2. Hazards Identification

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

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

Label pictograms:



Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1C	H226	Flammable liquid and vapour.	Flam. Liq. 3
6.1E (asp)	H304	May be fatal if swallowed and enters airways.	Asp. Tox. 1
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
6.8B	H361	Suspected of damaging fertility or the unborn child.	Repr. 2
6.9A	H372	Causes damage to organs through prolonged or repeated exposure.	STOT RE 1
9.1B	H411	Toxic to aquatic life with long lasting effects.	Aquatic Chronic 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.

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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, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P281	Use personal protective equipment as required.

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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 dry powder, carbon dioxide for extinction.

Storage Code	Storage Statement
P405	Store locked up.
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
White Spirit	64742-82-1	75-95
Zinc 12%	136-53-8	1-10
Cobalt 6%	136-52-7	<1
Non hazardous		To bal

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.
If on Skin	Take off immediately all contaminated clothing. Immediately flush skin with plenty of water. Get medical attention if irritation develops and persists.
If Swallowed	Rinse mouth thoroughly. DO NOT induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice if needed. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
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 :	Causes central nervous system depression. Contact dermatitis may result from prolonged or repeated exposure. Risk of aspiration into lungs resulting in chemical pneumonitis which may be fatal. Consider gastric lavage with protected airway, and administration of activated charcoal.
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Section 5. Fire Fighting Measures

Hazard Type	Flammable
Hazards from decomposition products	Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen. Avoid exposure and use breathing apparatus as appropriate
Suitable Extinguishing media	In case of fire: Use dry powder, carbon dioxide for extinction
Precautions for firefighters and special protective clothing	Wear personal protection equipment and in enclosed spaces, self-contained breathing apparatus.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Equipment and emergency procedures

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapour levels are below the Lower Explosive Limit before re-entering. Wear PPE detailed in Section 8.

Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

Methods and materials for containment and cleaning up

Ventilate the area and avoid breathing vapours. Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13). Clean, preferably with a detergent. Do not use solvents.

Section 7. Handling and Storage

Precautions for safe handling:

- Read label before use.
- 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.
- Do not breathe fumes, vapours or spray.
- Use with local exhaust ventilation.
- Keep in an area equipped with sprinklers.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required.

Precautions for safe storage:

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

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.

Engineering Controls:

Ensure adequate ventilation, especially in confined areas.

Personal Protection Equipment

Eyes	Tight sealing safety goggles.
Hands and Skin	Antistatic footwear. Wear fire/flare resistant/retardant clothing. Gloves made of plastic or rubber.
Respiratory	Where respiratory protection is required, use a respirator selected and in accordance with AS/NZS 1715 and AS/NZS 1716.

Section 9 Physical and Chemical Properties

Appearance	Honey coloured transparent liquid
Odour	Typical of white spirits
Odour Threshold	0.5/6.0mgs/m ²
pH	Not available
Boiling Point	220°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	30°C
Flammability	Not available
Upper and Lower Explosive Limits	0.5 – 6.5%
Vapour Pressure	0.6KPa @ 20°C
Density	0.90
Relative Density	Not available
Specific Gravity	0.90
Soluble in water	Not soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	240°C
Decomposition Temperature	Not available
Viscosity Dynamic	Not available
Percent Volatile	82.0%/wt
VOC/Weight	Not available
Heat of combustion	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions. May be ignited by heat, sparks or flames.
Conditions to Avoid	Heat, flames and sparks.
Incompatible Materials	No information available.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	May cause irritation of upper respiratory tract. Inhalation of high concentrations may cause central nervous system depression resulting in symptoms including headaches, dizziness and drowsiness. Prolonged continuing exposure may result in unconsciousness and/or death.
Eye	Not applicable.
Skin	May cause an allergic skin reaction.

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.
STOT/SE	Not applicable.
STOT/RE	Causes damage to organs through prolonged or repeated exposure. If inhaled may cause adverse effects through prolonged or repeated exposure. May cause central nervous system depression. Symptoms of overexposure can include headache, dizziness and drowsiness. Prolonged or repeated exposure to high concentrations have resulted in adverse effects to kidneys and in hearing loss in laboratory rats. Solvent abuse and noise interaction in a work environment may cause hearing loss.

Section 12. Ecotoxicological Information

HSNO Classes: 9.1B - Toxic to aquatic life with long lasting effects.

Persistence and degradability	Has potential to bio accumulate and most components are rapidly biodegradable.
Bioaccumulation	No data available
Mobility in Soil	Product is mobile in soil and may contaminate groundwater.
Other adverse effects	No data available

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, Ecotoxic" and that the label also has the Flammable, 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 5433:2012

Road and Rail Transport

UN No: 1263
 Class-primary 3
 Packing Group III
 Sub Class: 9
 Proper Shipping Name: PAINT

Air Transport

UN No: 1263
 Class-primary 3
 Packing Group III
 Sub Class: 9
 Proper Shipping Name: PAINT

Marine Transport

UN No: 1263
 Class-primary 3
 Packing Group III
 Sub Class: 9
 Proper Shipping Name: PAINT

Limited Quantities Statement:

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

HSNO Classification: 3.1C, 6.1E(asp), 6.5B, 6.8B, 6.9A, 9.1B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Certified Handler	Not required
Location Certificate	500L(>5L); 1500L (<5L); 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (3.1C, 9.1B)
Emergency Response Plan trigger Quantities	1000L (9.1B)
Secondary Containment	1000L (9.1B)
Restrictions of use	None

Section 16	Other Information
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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

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.

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