

## SAFETY DATA SHEET

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

Product: **Glass Cleaner**  
 Product Code: GCGC/GCGC-C/GC5/GC20/GC20CL  
 Product Use: Class Cleaner  
 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: 25 August 2023

### Section 2. Hazards Identification

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

EPA Approval Code: Cleaning Products (Combustible) – HSR002525

#### Pictograms



**Signal Word: Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 4	H227	Combustible liquid.
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P362	Take off contaminated clothing and wash it before reuse.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.

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 carbon dioxide, extinguishing powder or water jet to extinguish.

<b>Storage Code</b>	<b>Storage Statement</b>
P403 + P235	Store in a well-ventilated place. Keep cool.

<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Weight-%
Butyl Oxitol	111-76-2	30 - 60
Surfactant	Proprietary	1 - 10
Ammonia	7664-41-7	0.1 - 1
Colourant	Proprietary	1 - 10

### Section 4. First Aid Measures

#### Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on Skin	Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/ attention.
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 needed.
If Inhaled	Generally, inhalation of fumes/vapours/dusts is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

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

Symptoms:	Causes eye irritation. Causes skin irritation.
Advice to Doctors:	Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	This product is combustible. This product has the potential to cause fire or to create an additional hazard during fire.
<b>Hazards from combustion products</b>	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.

<b>Suitable Extinguishing media</b>	Carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.
<b>Precautions for firefighters and special protective clothing</b>	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.
<b>HAZCHEM CODE</b>	<b>None Allocated</b>

## Section 6. Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust.

### Environmental precautions

Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately).

### Methods and material for containment and cleaning up

Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. If contamination of crops, sewers or waterways has occurred advise local emergency services. This material may be suitable for approved landfill. 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.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.
- Keep exposure to a minimum, and minimise the quantities kept in work areas.

### Precautions for safe storage:

- Store in a cool, well-ventilated place.
- Keep container tightly closed.
- Store away from incompatible materials (see Section 10 of the SDS).
- Avoid storage of harmful substances with food.
- Store out of reach of children.
- Containers should be kept closed in order to minimise contamination.

## 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>
2-Butoxyethanol (Butyl glycol ether) [111-76-2]	25	121	-	-
Ammonia, Anhydrous [7664-41-7]	25	17	35	24

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:

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES.

Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high; you are advised to modify processes or increase ventilation.

### Personal Protection Equipment



<b>Eyes</b>	Use safety glasses and or chemical splash goggles if splashes are possible. Select eye protection in accordance with AS/NZS 1337.
<b>Hands</b>	Rubber or nitrile gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use.
<b>Skin</b>	Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1.
<b>Respiratory</b>	Respirator is not required under normal use. Ensure adequate natural ventilation. If product is being used in confined conditions, the use of a mask or respirator may be preferred.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Blue Liquid (except GCGC-C/GC20CL which are Clear Liquids)
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	Not available
<b>Initial Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	>60°C
<b>Flammability</b>	Contains 42% of a combustible liquid
<b>Upper and Lower Explosive Limits</b>	2% – 12%
<b>Vapour Pressure</b>	Butyl oxide: 0.8mmHg
<b>Relative Vapour Density</b>	Not available
<b>Density (20°)</b>	Not available
<b>Specific Gravity</b>	Not available
<b>Soluble in water</b>	Miscible in water
<b>Partition Coefficient:</b>	Not available
<b>Auto ignition temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	Not available
<b>Solid content(%)</b>	Not available

## 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>	Flammable substance. Keep away from sources of ignition at all times. Containers should be kept closed in order to avoid contamination.
<b>Incompatible Materials</b>	Oxidisers, strong acids and bases.
<b>Hazardous Decomposition Products</b>	None known.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Does not contain any ingredients classified as acutely toxic. Using LD50's for ingredients, the Acute Toxicity Estimate (ATE) (oral) for the mixture is >2,000 mg/kg.
<b>Dermal</b>	Does not contain any ingredients classified as acutely toxic. Using LD50's for ingredients, the Acute Toxicity Estimate (ATE) (dermal) for the mixture is >2,000 mg/kg.
<b>Inhalation</b>	Does not contain any ingredients classified as acutely toxic. Using LD50's for ingredients, the Acute Toxicity Estimate (ATE) (inhalation) for the mixture is >5mg/L/4h.
<b>Eye</b>	Causes serious eye irritation.
<b>Skin</b>	Causes skin 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
Buytl Oxitol	1414 mg/kg (guinea pig)	-	-

## Section 12. Ecotoxicological Information

This mixture is not considered ecotoxic. In all cases prevent run-off to drains, sewers and waterways.

<b>Product:</b>	Using EC50's for ingredients, the calculated EC50 for the mixture is > 100 mg/L.
<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

## Section 13. Disposal Considerations

### Disposal Method:

Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should

be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.

**Contaminated Packaging:**

Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging.

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

**Section 14 Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

**Section 15 Regulatory Information**

EPA Approval Code: Cleaning Products (Combustible) – HSR002525

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	10 000L
Emergency Response Plan	10 000L
Secondary Containment	10 000L
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: 25 August 2023

Review Date: 25 August 2028