

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Acecool 5679**
Product Code: ACE5679 / ACE5679A / ACE5679B
Product Use: Coolant
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: 19 June 2017

Section 2. Hazards Identification

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

EPA Approval Code and Group Standard:
Lubricants (subsidiary hazard) – HSR002606

Label pictograms: (for information only):



Irritant

Signal Word: **WARNING**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.3A	H315	Causes skin irritation.	Category 2
6.4A	H319	Causes serious eye irritation.	Category 2A

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves and eye protection.

Response code	Response Statement
P362	Take off contaminated clothing and wash before re-use.



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.

Storage Code	Storage Statement
<i>None allocated</i>	

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
orthoboric acid, compound with 2,2',2''-nitrilotriethanol	10049-36-2	10 - < 20
Decanedioic acid, amine salt	82801-62-5	5 - < 10
Boric acid	10043-35-3	1 - < 2.5
Non-Hazardous ingredients		To bal

Section 4. First Aid Measures

General advice : First aider needs to protect himself. Move out of dangerous area. Take off contaminated clothing and shoes immediately

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	Wash skin with warm soapy water. Wash contaminated clothing before reuse. If irritation persists get medical assistance.
If Swallowed	Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting.
If Inhaled	Remove person to fresh air. If you feel unwell, seek medical advice

Section 5. Fire Fighting Measures

Hazard Type	Non-Combustible Liquid
Hazards from decomposition products	Combustion may liberate: Carbon dioxide (CO ₂), Carbon monoxide and Nitrogen oxides (NO _x), possible toxic fumes
Suitable Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. DO NOT use high volume 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.
HAZCHEM CODE	None Allocated

Section 6.**Accidental Release Measures****Equipment and emergency procedures**

Use personal protective equipment as detailed in Section 8. Ensure adequate ventilation.

Environmental precautions

Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Section 7.**Handling and Storage****Precautions for safe handling:**

- Read label before use.
- Wash hands thoroughly after handling.
- Wear protective gloves and eye protection.

Precautions for safe storage:

- Keep containers tightly closed.
- Store in original container.
- Store in a well-ventilated place. Keep cool.
- Protect from frost.
- To maintain product quality, do not store in heat or direct sun-light.

Advice on common storage: Incompatible with acids.

Storage temperature: 5- 40 °C

Section 8**Exposure Controls / Personal Protection****WORKPLACE EXPOSURE STANDARDS (provided for guidance only)**

Substance	TWA ppm	TWA mg/m ³	STEL ppm	STEL 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	Wear goggles with side shields. Avoid wearing contact lenses.
Hands and Skin	Nitrile rubber butyl-rubber Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into



	consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Chemical resistant protective clothing according to DIN EN 13034 (Type 6).
Respiratory	In case of insufficient ventilation, wear suitable respiratory equipment. Recommended Filter type: Type A
General	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. Do not allow uncontrolled discharge of product into the environment. Inform the relevant authorities if it enters sewers, aquatic environment or soil.

Section 9 Physical and Chemical Properties

Appearance	Green Liquid
Odour	Slight
Odour Threshold	Not available
pH	9.5 @ 20°C
Boiling Point	>100°C
Melting Point	Not available
Freezing Point	-8°C
Flash Point	Not applicable
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Density	1.07 g/cm ³ @20°C
Relative Density	Not available
Soluble in water	Completely miscible
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity Dynamic	ca.3 mPa*s at 20 °C
Viscosity, kinematic	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Protect from frost, heat and sunlight.
Incompatible Materials	Strong acids and oxidizing agents Nitrous acid and other nitrosating agents
Hazardous Decomposition Products	No decomposition if stored and applied as directed.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Causes serious eye irritation.
Skin	Causes 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

Section 12. Ecotoxicological Information

Product is not classified as harmful to the environment

Persistence and degradability	No data available
Bioaccumulation	Bioaccumulation is unlikely.
Mobility in Soil	No data available
Other adverse effects	slightly water endangering. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration. The product does not contain : mineral oil, nitrite, chlorine, PCB/PCT, formaldehyde, phenols, halogenated hydrocarbons, p-tert.-butylbenzoic acid and heavy metals (copper, lead, cadmium, arsenic, antimony, silver, zinc and chromium).

Do not allow to enter waterways.

Section 13. Disposal Considerations

Disposal Method: Disposal of this product must comply with the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. Ensure container holding waste product or contaminated spill media is labelled "Hazardous Waste"

Precautions and methods to avoid: Avoid release into the environment.

Section 14 Transport Information

This product is classified as **NOT** a Dangerous Good for transport in NZ; NZS 5433:2012

Section 15 Regulatory Information

EPA Approval Code: Lubricants (subsidiary hazard) – HSR002606
HSNO Classification: 6.3A, 6.4A

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required (as per group standard)
Location Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	Not required
Emergency Response Plan trigger Quantities	Not required
Secondary Containment	Not required
Restrictions of use	None

Section 16 Other Information

1. Hazardous Substances Data Bank (HSDB), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>).
2. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

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:

19 June 2017

Review Date:

19 June 2022

Product Name: Acecool 5679

Date of MSDS :- 19/06/2017

Page 6



www.glasscorp.co.nz sales@glasscorp.co.nz 09 415 6338 09 415 6339