

# SAFETY DATA SHEET      BMT Compact chiller cooling glycol

Preparation Date: 24-Jul-2017  
Revision Number: 0.2  
Date of last revision: 16-Jun-2022

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product Name**                      BMT Compact chiller cooling glycol  
**Item#:**                                AUS00010  
**Recommended use**                No information available  
**Uses advised against**            Restricted to professional users

**Supplier**                            DeLaval Pty. Ltd.  
ACN 004 210 459,  
37 Bayside Avenue,  
Port Melbourne,  
VIC 3207,  
Australia. +61-3-8336 7977,  
Fax +61-3-8336 7900

**Emergency Telephone Number** 131 126 (Poison Control Centre)

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

### 2.2. Label Elements

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

**Hazard Statements**                Not hazardous

**Precautionary statements**        P102 - Keep out of reach of children

### **Note**

Signal words and pictograms are not required on labels for AgVet chemicals.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No	Weight-%
Propylene Glycol	57-55-6	> 60%

## 4. FIRST AID MEASURES

**General Advice**                      Show this safety data sheet to the doctor in attendance.

<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, get medical advice/attention.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	No information available.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Get medical attention if symptoms occur.
<b>Effects of overexposure</b>	No information available
<b>Indication of any immediate medical attention and special treatment needed</b>	No information available
<b>Notes to Physician</b>	In case of ingestion, monitor for acidosis and central nervous system changes. Exposed persons with previous kidney dysfunction may require special treatment.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Dry chemical. Foam. Water. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable Extinguishing Media</b>	No information available
<b>Specific hazards arising from the chemical</b>	Heating of containers may cause pressure rise, with risk of bursting. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate personnel to safe areas. Any action only if without personal risk. Cool containers / tanks with water spray.
<b>Hazchem Code</b>	No Hazchem Code allocated

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Remove all sources of ignition. Use personal protective equipment. For personal protection see section 8. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions</b>	Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Should not be released into the environment.
<b>Methods for cleaning up</b>	Take up mechanically and collect in suitable container for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Use only non-sparking tools.

## 7. HANDLING AND STORAGE

<b>Safe Handling Advice</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Protect from moisture. Keep away from possible contact with incompatible substances.

**Incompatible products** No information available.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Occupational exposure controls**

**Exposure limits**

Chemical name	ES-TWA	ES-STEL	ES-Peak
Propylene Glycol	150 ppm 474 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>		

**Biological standards** No biological limit allocated  
**Engineering Controls** Ensure adequate ventilation Use only with adequate ventilation to keep exposures below recommended exposure limits.

**Personal Protective Equipment**

- Eye/face Protection** Safety glasses with side-shields, Eye wash bottle with pure water
- Skin Protection** Protective gloves, Long sleeved clothing
- Hand Protection** Protective gloves
- Respiratory Protection** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If the exposure limit is exceeded, a half-face respirator with an organic vapor cartridge and particulate filter (NIOSH type P95 or R95 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with an organic vapor cartridge and particulate filter (NIOSH P100 or R100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. Please note that N series filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator: **WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.** .

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear
<b>Physical state</b>	Liquid
<b>Odor</b>	Odorless
<b>Odor Threshold</b>	No information available
<b>pH</b>	No data available
<b>Specific Gravity</b>	1.0361 @ 20°C
<b>Vapor Pressure</b>	= 0.129 mmHg @ 25 °C
<b>Vapor Density</b>	2.6 (Air = 1)
<b>Flash Point</b>	No data available
<b>Autoignition Temperature</b>	No data available
<b>Boiling Point/Range</b>	188.2 °C / 370 °F
<b>Melting Point/Range</b>	-59 °C / -74 °F
<b>Freezing Point/Range</b>	No data available
<b>Decomposition temperature</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Explosion Limits</b>	No information available
<b>Evaporation Rate</b>	0.01 (BuAc = 1)
<b>Relative Density</b>	No data available
<b>Solubility</b>	Miscible with water
<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Viscosity</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	No information available
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur
<b>Conditions to Avoid</b>	Heat, flames and sparks. Keep away from open flames, hot surfaces and sources of ignition.
<b>Incompatible Materials</b>	strong oxidizing agents
<b>Hazardous decomposition products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), aldehydes, Lactic, pyruvic or acitec acids

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Inhalation</b>	No information available.
<b>Skin contact</b>	May cause transient eye and skin irritation.
<b>Ingestion</b>	No information available.

### **Component Analysis - LD50/LC50**

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation
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Propylene Glycol 57-55-6	= 20 g/kg ( Rat )	= 20800 mg/kg ( Rabbit )	
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**Potential Health Effects**

<b>Skin Corrosion/Irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Mutagenic effects</b>	No information available.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.
<b>Reproductive Effects</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	Not hazardous.
<b>Aspiration Hazard</b>	No information available.
<b>Information on likely routes of exposure</b>	No known significant effects or critical hazards
<b>Early onset symptoms related to exposure (Immediate effects)</b>	None known
<b>Delayed health effects from exposure</b>	none known

12. ECOLOGICAL INFORMATION
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**Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Microtox	Waterflea
Propylene Glycol	19000: 96 h Pseudokirchneriella subcapitata mg/L EC50	51600: 96 h Oncorhynchus mykiss mg/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 710: 96 h Pimephales promelas mg/L LC50	EC50 = 710 mg/L 30 min	10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static

**Persistence and degradability** Readily biodegradable

**Bioaccumulation/Accumulation** No information available.

**Mobility** No information available.

**Other adverse effects** No information available

**Biodegradation** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Can be landfilled, when in compliance with local regulations. Dispose of in accordance with local regulations.

**Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal. Dispose of in accordance with local regulations.

**Personal precautions** Remove all sources of ignition. Use personal protective equipment. For personal protection see section 8. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

### 14. TRANSPORT INFORMATION

#### Road and Rail transport

<b>UN-No</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>Environmental hazard</b>	Not regulated
<b>Special Precautions</b>	Not regulated
<b>Hazchem Code</b>	No Hazchem Code allocated

#### IMDG/IMO

<b>UN number or ID number</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing Group</b>	Not regulated
<b>IMDG Marine Pollutant</b>	Not regulated

#### IATA/ICAO

<b>UN number or ID number</b>	Not regulated
<b>Proper Shipping Name</b>	Not regulated
<b>Technical name</b>	Not regulated
<b>Transport hazard class(es)</b>	Not regulated
<b>Packing group</b>	Not regulated

### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture** No information available

**Poison Schedule Number** No poison schedule number allocated

16. OTHER INFORMATION
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**Prepared By** DeLaval NV  
Industriepark-Drongen 10  
9031 Gent  
Belgium

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**Reason for revision** Supplier Address.

**Disclaimer**

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**End of SDS**