

# Safety Data Sheet

according to WHS Regulations

Date of issue: 22.01.2026

Version number 7

Revision: 16.01.2026

## 1 Identification

- Other means of identification

- Trade name:

**THERMACUT COOLANT (T-13000/T-13004/T-13006/T-13007)**

- Relevant identified uses of the substance or mixture and uses advised against

Identified use: intended for professional use only!

- Application of the substance / the mixture

Coolant/ Cutting solution

- Details of the supplier of the safety data sheet

- Manufacturer/Supplier:

Binzel PTY Ltd  
1/118-122 Malcolm Road  
Braeside 3195  
Victoria

03 9580 6500

- Further information obtainable from:

Produktmanagement  
Phone Number: 131126  
NSW Poisons Information Centre  
The Children's Hospital at Westmead  
Locked Bag 4001  
Westmead, NSW 2145

- Emergency telephone number:

## 2 Hazard(s) Identification

- Classification of the substance or mixture

The product is not classified, according to the Globally Harmonised System (GHS).

- Label elements

- GHS label elements

Void

- Hazard pictograms

Void

- Signal word

Void

- Hazard statements

Void

- Other hazards

- Results of PBT and vPvB assessment

- PBT:

Not applicable.

- vPvB:

Not applicable.

## 3 Composition and Information on Ingredients

- Chemical characterisation: Mixtures

- Description:

Mixture: consisting of the following components.

- Dangerous components:

57-55-6 propane-1,2-diol

25-50%

- Additional information:

For the wording of the listed hazard phrases refer to section 16.

## 4 First Aid Measures

- General information:

Immediately remove any clothing soiled by the product.  
Do not leave affected persons unattended.  
Personal protection for the First Aider.

- After inhalation:

Take affected persons out of danger area and lay down.  
In case of unconsciousness place patient stably in side position for transportation.  
Supply fresh air; consult doctor in case of complaints.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.  
Seek medical treatment in case of complaints.

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- |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- <b>After eye contact:</b></li> <li>- <b>After swallowing:</b></li> <li>- <b>Information for doctor:</b></li> <li>- <b>Most important symptoms and effects, both acute and delayed</b></li> <li>- <b>Indication of any immediate medical attention and special treatment needed</b></li> </ul> | <p>Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.<br/>Protect unharmed eye.<br/>If symptoms persist consult doctor.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 5 Fire Fighting Measures

- |                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- <b>Suitable extinguishing agents:</b></li> <li>- <b>For safety reasons unsuitable extinguishing agents:</b></li> <li>- <b>Special hazards arising from the substance or mixture</b></li> <li>- <b>Protective equipment:</b></li> <li>- <b>Additional information</b></li> </ul> | <p>CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.<br/>Use fire extinguishing methods suitable to surrounding conditions.</p> <p>Water with full jet</p> <p>CO2<br/>Formation of toxic gases is possible during heating or in case of fire.<br/>Nitrogen oxides (NOx)<br/>Carbon monoxide (CO)<br/>Do not inhale explosion gases or combustion gases.<br/>Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 6 Accidental Release Measures

- |                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- <b>Personal precautions, protective equipment and emergency procedures</b></li> <li>- <b>Environmental precautions:</b></li> <li>- <b>Methods and material for containment and cleaning up:</b></li> <li>- <b>Reference to other sections</b></li> </ul> | <p>Wear protective equipment. Keep unprotected persons away.<br/>Avoid contact with skin and eyes<br/>Ensure adequate ventilation<br/>Prevent from spreading (e.g. by damming-in or oil barriers).<br/>Inform respective authorities in case of seepage into water course or sewage system.<br/>Do not allow to enter sewers/ surface or ground water.</p> <p>Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).<br/>See Section 7 for information on safe handling.<br/>See Section 8 for information on personal protection equipment.<br/>See Section 13 for disposal information.</p> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 7 Handling and Storage

- |                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>- <b>Handling:</b></li> <li>- <b>Precautions for safe handling</b></li> <li>- <b>Storage:</b></li> <li>- <b>Requirements to be met by storerooms and receptacles:</b></li> <li>- <b>Information about storage in one common storage facility:</b></li> </ul> | <p>Store in cool, dry place in tightly closed receptacles.<br/>Ensure good ventilation/exhaustion at the workplace.</p> <p>Store only in the original receptacle.</p> <p>Store away from foodstuffs.</p> |
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**- Further information about storage conditions:**

Store in dry conditions.  
Keep container tightly sealed.  
Recommended storage temperature: 5-30 °C

**- Storage class:**

12

**- Specific end use(s)**

No further relevant information available.

## 8 Exposure controls and personal protection

**- Appropriate engineering controls** No further data; see section 7.

**- Ingredients with limit values that require monitoring at the workplace:**

**57-55-6 propane-1,2-diol**

WES Long-term value: 474\* 10\*\* mg/m³, 150\* ppm  
\*vapour&particulates;\*\*particulates only

**- Regulatory information**

WES: Workplace exposure standards for airborne contaminants

**- DNELs**

**57-55-6 propane-1,2-diol**

|            |                              |                                                           |
|------------|------------------------------|-----------------------------------------------------------|
| Inhalative | Long term - systemic effects | 168 mg/m³ (employees) (GESTIS-DNEL-Liste Stand Nov. 2018) |
|            | Long term - local effects    | 10 mg/m³ (employees) (GESTIS-DNEL-Liste Stand Nov. 2018)  |

**- Additional information:**

The lists valid during the making were used as basis.

**- Personal protective equipment:**

**- General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.

**- Respiratory protection:**

When used properly and under normal conditions, breathing protection is not required.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A/P2

Respiratory protection - Gas filters and combination filters according to (EN 14387)

**- Protection of hands:**



Protective gloves

Check protective gloves prior to each use for their proper condition.  
Only use chemical-protective gloves with CE-labelling of category III.  
The glove material has to be impermeable and resistant to the product/  
the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times,  
rates of diffusion and the degradation  
After use of gloves apply skin-cleaning agents and skin cosmetics.

**- Material of gloves**

Recommended materials:

Butyl rubber, BR

Recommended thickness of the material: ≥ 0.5 mm

Penetration time (min.): < 10

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**- Penetration time of glove material**

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

**- As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.1 mm

Penetration time (min.): < 10

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- Eye protection:



Tightly sealed goggles

Protective goggles and facial protection - Classification according to EN 166

- Body protection:

protective clothing (EN 13034)

## 9 Physical and Chemical Properties

### - General Information

#### - Appearance:

#### - Form:

Fluid

#### - Colour:

According to product specification

#### - Odour:

Characteristic

#### - Odour threshold:

Not determined.

#### - pH-value at 20 °C:

6

#### - Change in condition

#### - Melting point/freezing point:

Undetermined.

#### - Initial boiling point and boiling range:

100 °C

#### - Flash point:

114 °C

#### - Flammability

Not applicable.

#### - Decomposition temperature:

Not determined.

#### - Ignition temperature:

Product is not selfigniting.

#### - Explosive properties:

Product does not present an explosion hazard.

#### - Explosion limits:

#### - Lower:

Not determined.

#### - Upper:

Not determined.

#### - Density at 20 °C:

1.03 g/cm<sup>3</sup>

#### - Relative density

Not determined.

#### - Vapour density

Not determined.

#### - Evaporation rate

Not determined.

#### - Solubility in / Miscibility with

#### - water:

Fully miscible.

#### - Partition coefficient: n-octanol/water:

Not determined.

#### - Viscosity:

#### - Dynamic at 20 °C:

12.2 mPas

#### - Kinematic at 40 °C:

8.2 mm<sup>2</sup>/s

### - Other information

#### - Particle characteristics

Not applicable.

#### - Physical state

Liquid

## 10 Stability and Reactivity

### - Reactivity

No further relevant information available.

### - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### - Possibility of hazardous reactions

No dangerous reactions known.

### - Conditions to avoid

No further relevant information available.

### - Incompatible materials:

No further relevant information available.

### - Hazardous decomposition products:

No dangerous decomposition products known.

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## 11 Toxicological Information

### - Information on toxicological effects

- **Acute toxicity** Based on available data, the classification criteria are not met.

### - LD/LC50 values relevant for classification:

#### 57-55-6 propane-1,2-diol

|            |          |                       |
|------------|----------|-----------------------|
| Oral       | LD50     | 5,000 mg/kg (rat)     |
| Dermal     | LD50     | >2,000 mg/kg (rabbit) |
| Inhalative | LC50/4 h | >20 mg/l (rabbit)     |

### - Primary irritant effect:

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

- **Carcinogenicity** Based on available data, the classification criteria are not met.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

## 12 Ecological Information

### - Toxicity

### - Aquatic toxicity:

#### 57-55-6 propane-1,2-diol

|       |                                                                       |
|-------|-----------------------------------------------------------------------|
| NOEC  | >20,000 mg/kg (Pseudomonas putida) (18h,)                             |
| IC50  | 24,200 mg/l (microalga) (72h)                                         |
| ErC50 | 19,000 mg/l (Pseudokirchneriella subcapitata) (96h; OECD 201)         |
| LC50  | 40,613 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) (96h; OECD 203) |
| EC0   | >20,000 mg/l (Pseudomonas putida) (18h)                               |
| EC50  | 18,340 mg/l (water flea) (48h; OECD 202)                              |
|       | 18,800 mg/l (crab animal) (48h)                                       |
|       | >100 mg/l (Daphnia magna) (48h)                                       |
|       | 19,000 mg/l (diatom) (48h)                                            |
| NOEC  | 13,020 mg/l (water flea) (7d; semistaic. test)                        |

- **Persistence and degradability** No further relevant information available.

### - Behaviour in environmental systems:

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

### - Additional ecological information:

- **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

### - Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.  
Disposal according to official regulations
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |                                                                             |                 |
|-----------------------------------------------------------------------------|-----------------|
| - <b>UN-Number</b>                                                          |                 |
| - <b>ADG, ADN, IMDG, IATA</b>                                               | Void            |
| - <b>UN proper shipping name</b>                                            |                 |
| - <b>ADG, ADN, IMDG, IATA</b>                                               | Void            |
| - <b>Transport hazard class(es)</b>                                         |                 |
| - <b>ADG, ADN, IMDG, IATA</b>                                               |                 |
| - <b>Class</b>                                                              | Void            |
| - <b>Packing group</b>                                                      |                 |
| - <b>ADG, IMDG, IATA</b>                                                    | Void            |
| - <b>Environmental hazards:</b>                                             |                 |
| - <b>Marine pollutant:</b>                                                  | No              |
| - <b>Special precautions for user</b>                                       | Not applicable. |
| - <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable. |
| - <b>UN "Model Regulation":</b>                                             | Void            |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Australian Inventory of Industrial Chemicals**  
All ingredients are listed.
- **Standard for the Uniform Scheduling of Medicines and Poisons**  
None of the ingredients is listed.
- **Australia: Priority Existing Chemicals**  
None of the ingredients is listed.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product Management
- **Contact:** Product Management

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**- Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
DNEL: Derived No-Effect Level (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

**- Sources**

- [www.echa.europa.eu](http://www.echa.europa.eu)  
- [www.baua.de](http://www.baua.de)  
IFA: Institute für Occupational Safety and Health of the German Social Accident Insurance:  
- [www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp](http://www.dguv.de/ifa/gestis/gestis-stoffdatenbank/index.jsp)  
- [www.dguv.de/ifa/gestis/gestis-dnel-liste](http://www.dguv.de/ifa/gestis/gestis-dnel-liste)

- \* Data compared to the previous version altered.

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