

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** **T-13000 THERMCUT COOLING LIQUID, Pink**
T-13001 + T-13002 THERMCUT COOLING LIQUID, Transparent
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
T-13000 THERMCUT COOLING LIQUID, Pink
T-13001 + T-13002 THERMCUT COOLING LIQUID, Transparent
No further relevant information available.
- **Application of the substance / the mixture**
Coolant with antifreeze
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** THERMACUT, S. R. O.,
SOKOLOVSKÁ 574
686 01 UHERSKÉ HRADIŠTĚ
CZECH REPUBLIC
Tel: +420 572 420 411
Fax: +420 572 420 420
E-mail: info@THERMACUT.CZ
www.thermacut.com
- **Further information obtainable from:** Abteilung Produktsicherheit
- **1.4 Emergency telephone number:** Klinische Toxikologie der
JOHANNES GUTENBERG-UNIVERSITÄT MAINZ - KLINIKUM
Tel. Nr.: +49 (0)6131 / 23 24 66

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008** The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.
- **Information concerning particular hazards for human and environment:** The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:** The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:** Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures

- **Description:** Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 57-55-6 EINECS: 200-338-0 Reg.nr.: 01-2119456809-23	propane-1,2-diol	⚠ Acute Tox. 4, H302	25-50%
--	------------------	----------------------	--------

- Ungefährliche Inhaltsstoffe:

CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	50-100%
-------------------------------------	---	---------

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:** Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.

(Contd. on page 3)

TGB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

(Contd. of page 2)

- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- 8.1 Control parameters

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

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

WEL (Great Britain) Long-term value: 474* 10** mg/m³, 150* ppm
*total vapour and particulates **particulates

- **Additional information:** The lists valid during the making were used as basis.

- 8.2 Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Not required.

- Respiratory protection:

- Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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

Nitrile rubber, NBR

- Eye protection:

Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

- General Information

- Appearance:

Form:

Fluid

Colour:

According to product specification

- Odour:

Characteristic

- Odour threshold:

Not determined.

- pH-value:

6-8

(Contd. on page 4)

TGB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

(Contd. of page 3)

- Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
- Flash point:	111 °C
- Flammability (solid, gaseous):	Not applicable.
- Ignition temperature:	371 °C
- Decomposition temperature:	Not determined.
- Self-igniting:	Product is not selfigniting.
- Danger of explosion:	Product does not present an explosion hazard.
- Explosion limits:	
Lower:	2,6 Vol %
Upper:	12,6 Vol %
- Vapour pressure at 20 °C:	23 hPa
- Density at 20 °C:	1,0023 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- Evaporation rate	Not determined.
- Solubility in / Miscibility with water:	Not miscible or difficult to mix.
- Partition coefficient (n-octanol/water):	Not determined.
- Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
- Solvent content:	
Organic solvents:	30,0 %
Water:	70,0 %
VOC (EC)	30,00 %
- 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity	
- 10.2 Chemical stability	
- Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions	No dangerous reactions known.
- 10.4 Conditions to avoid	No further relevant information available.
- 10.5 Incompatible materials:	No further relevant information available.
- 10.6 Hazardous decomposition products:	No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects	
- Acute toxicity:	
- Primary irritant effect:	
- on the skin:	No irritant effect.
- on the eye:	No irritating effect.
- Sensitisation:	No sensitising effects known.

(Contd. on page 5)

TGB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

(Contd. of page 4)

- Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| - 14.1 UN-Number | |
| - ADR, ADN, IMDG, IATA | Void |
| - 14.2 UN proper shipping name | |
| - ADR, ADN, IMDG, IATA | Void |
| - 14.3 Transport hazard class(es) | |
| - ADR, ADN, IMDG, IATA | |
| - Class | Void |
| - 14.4 Packing group | |
| - ADR, IMDG, IATA | Void |
| - 14.5 Environmental hazards: | |
| - Marine pollutant: | No |
| - 14.6 Special precautions for user | Not applicable. |
| - 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| - UN "Model Regulation": | - |

TGB

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2014

Version number 1

Revision: 27.10.2014

(Contd. of page 5)

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**

	Void
--	------
- **Hazard pictograms**

	Void
--	------
- **Signal word**

	Void
--	------
- **Hazard statements**

	Void
--	------
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 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.

- **Relevant phrases**

	H302 Harmful if swallowed.
--	----------------------------
- **Department issuing MSDS:**

	Gefahrstoffbeauftragter
--	-------------------------
- **Contact:**

	Gefahrstoffbeauftragter
--	-------------------------
- **Abbreviations and acronyms:**

	ADR: Accord européen sur le transport 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
	GHS: Globally Harmonised System of Classification and Labelling of Chemicals
	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)
	VOC: Volatile Organic Compounds (USA, EU)
	Acute Tox. 4: Acute toxicity, Hazard Category 4
- *** Data compared to the previous version altered.**

TGB