

Safety information

following the safety data sheet format according to Regulation 1907/2006 EC (REACH) and 2015/830/EU

Cooling bath liquid

Version 1.0b eng

date of compilation: 04/06/2020

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

- 1.1 Product identifier(ArtNr.7169): Cooling bath liquid, anti-freeze product (500 ml)
- 1.2 Relevant identified uses of the mixture/ uses advised against:Laboratory chemicals /No information available
- 1.3 Details of the supplier of the Safety Data Sheet:
Funke Dr. N. Gerber Labortechnik GmbH
Ringstrasse 42
12105 Berlin
Germany
tel: 0049-30-7020060
www.funke-gerber.de
e-mail: kontakt@funke-gerber.de
- 1.4 Emergency telephone number:
0049-30-70200635 Only available during the following office hours:Mo-Fr (08.00-16.00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

|| This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. No special risks are known. Please be aware that the provision of this document is a voluntary service. There is no requirement.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008(CLP)

Hazard pictograms:No hazard pictograms

Signal word:No Signal Word

Hazard Statement: No hazard statement

Precautionary Statements:

P 270:Do not eat, drink, smoke when using this product

P280: Wear protective gloves/protective clothing/eye protection/face protection

P303+P361+P353: If on skin : remove /take off all contaminated clothing.

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2.3 Other hazards

Not regarded as a health or environmental hazard under current legislation. No substance with Community workplace exposure limits. No persistent, bioaccumulative, toxic or very persistent and very bioaccumulative substance. No other hazards.

SECTION 3: Composition/information on ingredients

3.1 Substances

3.2 Mixtures

Substance Name	CAS-No EC-No Registration Nr	Concentration limit (REGULATION (EC) No 1272/2008	Concentration %
1,2-Propylene glycol	57-55-6 200-338-0	No concentration limit	>60
Water	7732-18-5	No classification	<40

SECTION 4: First aid measures

4.1 Description of first aid measures

May be slightly irritating to mucous membranes, eyes and skin

4.1.1 General information:

Always observe self protection methods

Move out of dangerous area

Remove contaminated shoes and clothing

Show this material safety data sheet to the doctor in attendance

4.1.2 Advice :

a. Not expected to be hazard under anticipated conditions of normal use of this product. Consult a physician if necessary

b. Inhalation of hot vapors or extremely high concentrations of aerosols to be avoided. Remove to fresh air.

c. Self-protection of the first aider: remove dirty clothes and shoes

d. Following skin contact: Please rinse with plenty of water

Following eye contact: rinse out with plenty of water with the eye lid held wide open. Remove contact lenses if present. If irritation persists then get a medical advice.

Following ingestion: clean the mouth with plenty of water. Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

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4.2 Most important symptoms and effects, both acute and delayed:
no known symptoms

4.3 Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: For small fire use dry chemicals, CO₂ , or alcohol resistant foam. Use water spray/fpg for cooling. For large fire use water spray, water fog or alcohol resistant foam

Unsuitable extinguishing media: Do not use solid water stream.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: Burning may release oxides of carbon and other hazardous gases or vapours. Fight fire from a safe distance/protected location. Heat from fire can generate flammable vapor. Although water soluble, may not be practical to extinguish fire by water dilution.

Notify authorities immediately if liquid enters sewer/public waters. Heat may build enough pressure to rupture closed containers/spreading fire/increasing risk of burns/injuries. Avoid frothing/steam explosion. Burning liquid may float on water.

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus for firefighters

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 - 6.1.1 For non-emergency personnel

Protective equipment: in case of accidental spills and release of the mixture use personal protective equipment. See section 8

Emergency procedures: remove ignition sources
 - 6.1.2 For emergency responders: Wear personal protective clothing.

Personal protective equipment: See section 8
- 6.2 Environmental precautions: Avoid subcoil penetration. prevent flow to sewers/public waters
- 6.3 Methods and material for containment and cleaning up

Wipe up with absorbent material (cloth, fleece) Soak up small spills with inert solids

Other information: no dangerous substances are released
- 6.4 Reference to other sections: See also section 8+13

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
 - 7.1.1 Protective measures: Advice on safe handling: Avoid contact with skin and eyes.

Fire preventions: No special preventions against fire are required

Aerosol and dust generation preventions: Avoid aerosols, avoid inhalation

Environmental precautions: Avoid subcoil penetration. Handle empty containers with care - residue can burn if heated. Empty containers should be thoroughly rinsed with copious amounts of clean water.

- The rinse water can be used for makeup water for any necessary dilution of the concentrated product before use, or it can be properly discarded
 - 7.1.2 Advice on general occupational hygiene: do not eat, drink and smoke in work areas.

Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas

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7.2 Conditions for safe storage, including any incompatibilities

Packaging materials: Material can attack some forms of plastics.

Advice on common storage: Carbon/Mild Steel, with suitable internal coating, or stainless steel.

Requirements for storage rooms and vessels: Vessels tightly closed. Storage away from heat and moisture. Keep away from direct sunlight. Do not store at temperatures above 30 °C. This is a quality and not safety information.

Materials to avoid: Do not store together with oxidising agent

7.3 Specific end uses and recommendations: use as cooling medium

SECTION 8: Exposure controls / personal protection.

8.1 Control parameters

Occupational Exposure Limits : No workplace exposure limit

8.2 Exposure controls

Personal protective equipment

- Eye/Face protection: Wear appropriate protective eyeglasses
- Skin protection: Wear protective gloves made of butyl rubber or PVC and clothing to prevent skin exposure
- Respiratory protection: Use a European Standard EN 149 approved respirator if irritation or other symptoms are experienced.
- Environmental exposure controls: general advice avoid subcoil penetration. See also section 6

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: clear liquid

Odour: none

Odour threshold: not information

pH: 7,1-7,8

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Freezing point: < -11°C

Initial boiling point: 145 °C

Flash point: not applicable

Evaporation rate: not applicable

Vapour pressure(25°C): 20 Pa

Solubility: completely miscible in water, 20 °C

density: 1,03 g/cm³

Decomposition temperature: No data available

Explosive properties: the product is not explosive but the formation of an explosive

vapour mixture is possible.

Oxidising properties g/m²: steel: -225

9.2 Other information

none

SECTION 10 : Stability and reactivity

10.1 Reactivity : No dangerous reaction known under conditions of normal use

10.2 Chemical stability : hygroscopic

10.3 Possibility of hazardous reactions: Carbon Monoxide and other toxic vapors.

Note: this material is stable when properly handled and stored.

10.4 Conditions to avoid : High temperatures, oxidizing conditions

10.5 Incompatible materials: Strong oxidizing agents. Strong acids, Isocyanates

10.6 Hazardous decomposition products: Carbon monoxide, Carbon dioxide when heated

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SECTION 11: Toxicological information

11.1 Information toxicological effects

- Acute toxicity : Is not classified for acute toxicity and therefore derivation of a DNEL_{acute} is not necessary
- Skin corrosion/irritation: no hazard identified
- Serious eye damage/eye irritation: no hazard identified
- Respiratory or skin sensitisation: no hazard identified
- Germ cell mutagenicity: does not cause effects on development or fertility
- Carcinogenicity: no evidence of being carcinogen
- Reproductive toxicity: based on the absence of adverse effects on reproduction and development the mixture does not have to be classified for reproductive and development toxicity
- STOT-single exposure:
- STOT-repeated exposure : no data available
- Aspiration hazard : no data available
- Other information: for the ingredients of the mixture there are no CMRs

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment

12.2 Persistence and degradability : 1,2 Propylene glycol is ready biodegradable.

12.3 Bioaccumulative potential : Does not significantly accumulate in organisms

12.4 Mobility in soil: No data available

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12.5 Results of PBT and vPvB assessment: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT)

12.6 Other adverse effects: none additional ecological information

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: treat in accordance with national regulations

Contaminated packaging : treat in accordance with national regulations

Waste key for the unused product: no key at EWC

Waste key for the unused product(Group): no key at EWC

SECTION 14: Transport information

14.1 UN Number : Not regulated as a dangerous good

14.2 UN proper shipping name: Not regulated as a dangerous good

14.3 Transport hazard class: Not regulated as a dangerous good

14.4 Packing group: Not regulated as a dangerous good

14.5 Environmental hazards: Not regulated as a dangerous good

14.6 Special precautions for user: See Section 8

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code
not applicable for product as supplied

SECTION 15 : Regulatory information

15.1 Safety, health and environmental regulations/ legislation specific for the mixture :
Water hazard class WGK1 (reference to AwSV)

15.2 Chemical Safety Assessment : For this mixture a chemical safety assessment is not required

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SECTION 16: other information

- Abbreviations and acronyms
P 270: Do not eat, drink, smoke when using this product
P280: Wear protective gloves/protective clothing/eye protection/face protection
P303+P361+P353: If on skin : remove /take off all contaminated clothing.
- The || symbol will be used in case of a revised safety data sheet, as an indication of where changes have been made to the previous version.
- Key Literature
GESTIS Database
European chemicals agency (ECHA) guidance

This Safety Data Sheet has been compiled and is solely intended for this product. The information provided is correct to the best of our knowledge at the date of its publication. It is written under the current information and it doesn't guarantee for the product properties. It doesn't establish an contractual legal relationship.