

EG-SAFETY DATA SHEET (91/155/EWG)

Product name: „Coollaboratory Liquid Coolant Pro blue“, ready-use-mixture
„Coollaboratory Liquid Coolant Pro UVgreen“, ready-use-mixture
Version 2.0 / ENG: Rewrite at 20.08.2010

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY

- 1.1 Identification of substance/preparation:**
„Coollaboratory Liquid Coolant Pro“ ready-use-mixture coolant
- 1.2 Use of substance/preparation:**
corrosion preventative for PC water cooling systems
- 1.3 EG-Supplier (Company/Supplier/Dealer):**
Coollaboratory
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2. COMPOSITION/INFORMATION ON CONSTITUENTS

- 2.1 Chemical characterization:**
The ready-use-mixture contains 1.2 ethane diol (Glycol) in aqueous solution, inhibitors for avoiding corrosion and dyestuffs.
The ready-use-mixture contains max. 10% of 1.2 ethane diol. (Glycol)

Contents material: 1.2 Ethandiol CAS-Nr.: 107-21-1 EG-Nr.: 203-473-3

3. POTENTIAL HAZARDS

3.1 Classification:



Noxious Xn

R22: Noxious if swallowed

S2: Keep out of reach of children

S24/25: The skin contact is to be avoided. If however skin contact did occur rinse lots of water.

S45/46: If swallowed, seek medical advice immediately and show instruction.

4. FIRST AID MEASURES

- 4.1 After skin contact:**
Wash off with plentifully water and soap, remove the contaminated clothes.
- 4.2 After eye contact:**
Rinse out with plentifully lukewarm water with opened eyelid gap.
- 4.3 After swallowing:**
Drink a lot of water immediately. Please consult an emergency physician.

5. FIRE-FIGHTING MEASURING

Suitable fire extinguishing agents:

Water, dry powder, CO2
Co-ordinate with environment.

5.2 Special endangerment by the material or the product, its combustion products or developing gases:

Not inflammable.

6. HANDLING AND STORAGE

6.1 References to safe handling:

Avoid bury and unnecessary contact.

6.2 Storage

Use no food containers, containers have to be permanently marked and locked, use only the original container for store, do not store together with food, drug and animal feed.

7. PERSONAL PROTECTIVE EQUIPMENT

7.1 Hand protection:

With full contact:
Glove material: Nitril India rubber
Layer strength: 0, 35 mm
Break-through time: > 8 hours

7.2 Eye protection:

Wear protective goggles in case of potential contact with the eyes.

7.3 Body protection:

Wear suitable work clothing if there is a risk of splashing.

7.4 Data to the industrial hygiene:

Switch contaminated clothes. Wash your hands after work with the product.
Ingest no food or luxuries in the work area.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1 Appearance

Form: liquid
Color: clear liquid (blue/green)
Odor: product specific (sweetish)

9. STABILITY AND REACTIVITY

9.1 Conditions to be avoided:

Decomposition temperature is above 200°C.

9.2 Substances to be avoided:

Chlorine sulfone acid, sodium hydroxide, sulfuric acid, chrome connections, peroxides, Chlorates

10.3 Other information:

If necessary, the product should be tested under the specific conditions to determine any reactions with materials and chemical substances.

10. TOXICOLOGICAL INFORMATION

- 10.1 Effects at humans:**
The ready-use-mixture contains max. 10% of 1.2 ethane diol. (Glycol)
Glycol is a noxious substance.

<u>After inhalation:</u>	Due to the very low steam pressure not applicably.
<u>After skin contact:</u>	Skin absorption possible. Toxicological not relevant.
<u>After eye contact:</u>	mucous membrane irritation is possible, by weakly irritant effect.
<u>After swallowing:</u>	Danger of poisoning! Contact emergency surgeon immediately.

- 10.1 General remarks:**
The product is to be handled with the caution usual with chemicals.

11. ECOLOGICAL INFORMATION

- 11.1 Ecological toxicity:**
The product is mixable with water.
Quantitative data for the ecological effect of this product are not present.

- 11.2 Overall evaluation:**
In the case of appropriate handling and use no ecological problems are to be expected.

12. DISPOSAL INFORMATION

- 12.1 Disposal:**
Intended use or recycling is to be preferred to the disposal. The product should be disposed according to the locally valid laws on waste disposal and (the competent authorities are responsible to give the necessary information).

- 12.2 Additional references:**
Cleaning agent: diluted, warmed up hydrochloric acid. Soap/water solution for surfaces.

13. TRANSPORT INFORMATION

- 13.1 Transportation by road/rail (ADR/RID/GGVSE):** no restrictions

- 13.2 Transportation by sea/marine (IMDG-Code/GGVSee):** no restrictions

- 13.3 Transportation by air transport (ICAO-IATA/DGR):** no restrictions

- 13.4 Additional references:**
The transportation regulations are quoted after the international adjustments and in the form, how they are used in Germany. Possible deviations in other countries are not considered.

14. REGULATORY INFORMATION

The product is compliant with the guideline 2002/95/EG (RoHS) and does not exceed the predetermined conditions of the guideline 2005/618/EG.

The product is equal to the terms and conditions of the ElektroG- particularly with regard to indexed commodity substance prohibition at the chapter 2,§5 (1).

National regulations:

Water hazard class: WKG1 (weak hazardous to water)

TRGS 900 workplace limit values: 10 ml/m³ or 26 mg/m³

RL 2000/39/EG objective workplace limit value of the EG: 8 hours objective value 52 mg/m³

16. OTHER DATA

Coolaboratory doesn't assume any responsibility for the incorrect usage of this product and the resulting damages and consequences.

The data rely on the today's conditions of our knowledge and serve to describe the product regarding safety precautions which can be met. They do not represent a warranty of the product described by characteristics.