

Date of issue: 17.12.2014 Replaces Data Sheet of: ---

"*" alterations as compared to previous version; n.ap. = not applicable; n.av. = not available

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

- 1.1 **Product identifier**
Trade Name: CLASSIC KOLDA UE FG (1:1)
Article No.: n.av.
Preparation No.: n.av.
Registration No.: n.av.
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**
 Use: antifreeze fluids
- 1.3 **Details of the supplier of the safety data sheet**
- 1.3.1 **Address of the Company / Supplier:**
 CLASSIC Schmierstoff GmbH & Co. KG, Lange Straße 100 - 106, D- 27318 Hoya
 Telephone: +49 - 4251-81251, Telefax: +49 - 4251-812902, E-Mail: schmierstoffe@classic-oil.de
- 1.3.2 **Responsible for the data sheet:**
 CoSiChem AG, Ernst-Lemmer-Straße 27, D - 35041 Marburg, info@cosichem.de
- 1.4 **Emergency telephone number**
 Emergency - Telephone of Company / Undertaking Information Centre Specialising in Symptoms of
 Poisoning
 Telephone: +49 - 4251-81251 (8:30 – 16:30) Telephone: +44 870 600 6266

SECTION 2: Hazards identification

- 2.1 **Classification of the substance or mixture**
Classification and labelling according to Directive 1272/2008/EC:
 Acute Tox. 4 H302
Classification and labelling according to Directive 1999/45/EC:
 Harmful R 22
- 2.2 **Label elements**
 Classification according to 1272/2008/EC: Yes.
 Applicable Exemptions: No.
 Signal word(s): Warning
 Component(s): contains Ethane-1,2-diol
- Hazard pictogram(s):
- H - Phrases:**
 H302: Harmful if swallowed.
- P - Phrases:**
 P102: Keep out of reach of children.
 P262: Do not get in eyes, on skin, or on clothing.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 P315: Get immediate medical advice/attention.
 P501: Dispose of contents/container as a solid waste or burned in a suitable installation subject to local regulations.
- Additional Markings: tactile warning of danger
- The above mentioned labelling is valid for distribution to private consumer.
- 2.3 **Other hazards**
 Inhalation of vapours in high concentration may cause irritation of respiratory system.
 This mixture contains no substances which are assessed to be PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

- 3.1 **Substances**
Dangerous Ingredients:
- 3.2 **Mixtures**
Chemical Characterisation:
 Antifreeze fluids containing dangerous substances
Dangerous Ingredients:
- | CAS - No. | Index - No. | EC - No. | Material | m% - range | Symbol | R / H - phrases |
|-----------|--------------|-----------|-----------------|------------|-------------|-----------------|
| 107-21-1 | 603-027-00-1 | 203-473-3 | Ethane-1,2-diol | 40 – 50% | Xn
GHS07 | R 22
H302 |
- Text of R-/H- phrases: see section 16

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SECTION 4: First aid measures**4.1 Description of first aid measures****4.1.1 Inhalation:**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

If symptoms persist, call a physician.

4.1.2 Skin Contact:

Wash off with warm water and soap.

4.1.3 Eye Contact:

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

4.1.4 Ingestion:

Do not induce vomiting. Rinse mouth. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

4.2 Most important symptoms and effects, both acute and delayed

Risk of product entering the lungs on vomiting after ingestion.

Aspiration may cause pulmonary oedema and pneumonitis.

Exposure to component solvent vapour concentrations may result in adverse health effect, such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1 Extinguishing media****5.1.1 Suitable Extinguishing Media:**Use dry chemical, CO₂, water spray or "alcohol" foam.**5.1.2 Extinguishing Media to Avoid:**

High volume water jet.

5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon oxides

5.3 Advice for firefighters**5.3.1 Special Protective Equipment:**

Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 Additional Information:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

See chapter 8.2.2

Ensure adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, universal binder, sawdust). Dispose of as unused product.

6.4 Reference to other sections

None.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****7.1.1 Precautions for Safe Handling:**

Avoid contact with skin and eyes. Take off all contaminated clothing immediately.

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

Do not breathe vapours or spray mist.

7.1.2 Precautions in Case of Fire and Explosion:

Keep product and empty container away from heat and sources of ignition.

In use, may form flammable/explosive vapour-air mixture.

Do not burn, or use a cutting torch on, the empty drum.

Take measures to prevent the build up of electrostatic charge.

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7.2 Conditions for safe storage, including any incompatibilities**7.2.1 Storage Instructions:**

Keep in a dry, cool and well-ventilated place. Protect against humid air and water (hygroscopic).
 Keep away from heat. Risk of receptacle bursting.

7.2.2 Store away from:

Do not store together with strong acids and oxidizing agents.

7.2.3 Further Information on Storage Conditions:

Keep away from direct sunlight.

7.3 Specific end use(s)

n.av.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Material**

Ethane-1,2-diol

Limit Value

10 ppm | 26 mg/m³, TWA: 20 ppm | 52 mg/m³

8.2 Exposure controls**8.2.1 Appropriate engineering controls**

Provide appropriate exhaust ventilation at machinery.

8.2.2 Individual protection measures**8.2.2a Respiratory Protection:** Breathing apparatus needed only when aerosol or mist is formed.

Recommended Filter type: A-P2

8.2.2b Hand Protection:

Protective gloves complying with EN 374.(nitrile rubber).

As the product is a preparation of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use.

The break through time depends amongst other things from the material, the thickness and the type of glove and therefore has to be measured for each case. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

8.2.2c Eye Protection:

Safety glasses

8.2.2d Skin Protection:

Protective suit

8.2.2e Further Information:

Observe wearing time limits:

8.2.3 Environmental exposure controls:

n.av.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****9.1.1**

Form: liquid

Colour: blue green

Odour: sweet

Odour threshold: n.av.

9.1.2 pH-value, undiluted:

n.av., pH-value, 1% aqueous solution: n.av.

9.1.3 Boiling point / Boiling - range (°C):

170, Melting point / Melting range (°C): -13

9.1.4 Flash point (°C):

111, closed cup

9.1.5 Flammability (EEC A10/A13):

n.av.

9.1.6 Ignition temperature (°C):

~ 410

9.1.7 Autoflammability (EEC A16):

None.

9.1.8 Oxidising properties:

None.

9.1.9 Explosion hazard:

None.

9.1.10 Explosion limits (Vol.%) lower:

~ 3, upper: ~ 15

9.1.11 Vapour pressure: / Vapour density (Air = 1):

n.av. / n.av.

9.1.12 Density (g/ml):

1,12

9.1.13 Solubility (in Water):

completely miscible

9.1.14 Partition coefficient, n-Octanol / Water:

n.av.

9.1.15 Viscosity:

n.av.

9.1.16 Solvent content (m %):

Not relevant

9.1.17 Thermal decomposition (°C):

n.av.

9.1.18 Evaporation rate:

n.av.

9.2 Other information

n.av.

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SECTION 10: Stability and reactivity

- 10.1 **Reactivity**
None.
- 10.2 **Chemical stability**
Stable under normal conditions.
- 10.3 **Possibility of hazardous reactions**
No dangerous reaction known under conditions of normal use.
- 10.4 **Conditions to avoid**
Heat, flames and sparks. Avoid shock and friction. Exposure to moisture.
- 10.5 **Incompatible materials**
Strong acids and oxidizing agents.
- 10.6 **Hazardous decomposition products**
No decomposition if stored and applied as directed.
To avoid thermal decomposition, do not overheat. temperatures above 160°C.

SECTION 11: Toxicological information

- 11.1 **Information on toxicological effects**
- 11.1.1 **Substances**
- 11.1.2 **Mixtures**
- | | |
|---|--|
| Acute Toxicity: | |
| Inhalation: | n.av. |
| Ingestion: | Ethane-1,2-diol: LD ₅₀ /oral/rat = 300 - 2000 mg / kg |
| Skin Contact: | Ethane-1,2-diol: LD ₅₀ /dermal/rabbit = 9530 mg / kg |
| Irritation / corrosion (to skin / eye): | slight |
| Sensitisation: | None. |
| Carcinogenicity: | n.av. |
| Mutagenicity: | n.av. |
| Teratogenicity: | n.av. |
| Narcotic Effects: | None. |
- 11.1.3 – **Practical Experience**
- 11.1.12 n.av.
- 11.1.13 **Practical Experience**
Observations relevant for classification:
None.
Further Observations:
Dermal absorption possible Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.
Classification of the preparation has been done by calculation in accordance with EEC directives.

SECTION 12: Ecological information

- 12.1 **Toxicity**
- | | |
|------------------|---|
| Ethane-1,2-diol: | LC ₅₀ /48 h > 10000 mg/l (Leuciscus idus) |
| | LC ₅₀ /96 h > 18500 mg/l (Oncorhynchus mykiss) |
- 12.2 **Persistence and degradability**
Readily biodegradable (> 60 % after 28 days).
- 12.3 **Bioaccumulative potential**
slight
- 12.4 **Mobility in soil**
n.av.
- 12.5 **Results of PBT and vPvB assessment**
This mixture contains no substances which are assessed to be PBT or vPvB.
- 12.6 **Other adverse effects**
- | | |
|--------------------------------|----------------------------|
| 12.6.1 COD-Value, mg/g: | 1245 mg O ₂ / g |
| 12.6.2 BOD5-Value, mg/g: | n.av. |
| 12.6.3 AOX-Remarks: | Not applicable. |
| 12.6.4 Significant Components: | None. |
| 12.6.5 Other adverse effects: | Not applicable. |

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Recommendation: Waste - Code - No.: 16 01 14
 The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

In addition comply with the regional authorities.

13.2 Contaminated Packaging

13.2.1 Recommendation: Wash with suitable cleaner. Otherwise as described under Residues.
 13.2.2 Safe Handling: As described under Residues.

SECTION 14: Transport information

	ADR	IMDG	IATA
	Not a dangerous substance as defined in the above regulations.	Not a dangerous substance as defined in the above regulations.	Not a dangerous substance as defined in the above regulations.
14.1	UN number		
14.2	UN proper shipping name		
14.3	Transport hazard class(es)		
14.4	Packing group		
14.5	Environmental hazards		
14.6	Special precautions for user		
	Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger) Packing Instructions (Cargo)
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code		

SECTION 15: Regulatory information

15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
 n.av.
 15.2 **Chemical safety assessment :**
 A chemical safety assessment has not been carried out.

SECTION 16: Other information

Text of R / H phrases mentioned in Section 3

R 22: Harmful if swallowed.

H302: Harmful if swallowed.

This datasheet has been compiled in accordance with EU regulation 453/201.

The statements in this Material Safety Data Sheet were made to the best of our knowledge and are as accurate as possible. They are given for information only. They do not constitute a contractual guarantee of a product's properties. They must neither be altered nor transferred to other products.

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