

Date of issue: 29.08.2014 Replaces Data Sheet of: 16.09.2013

"\*" 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 G 40  
**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 Ethan-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 to hazardous or special waste collection.

Additional Markings: tactile warning of danger

The above mentioned labelling is valid for distribution to private consumer.

**2.3 Other hazards**

May cause eye irritation with susceptible persons. May cause irritation of the mucous membranes.

In use, may form flammable/explosive vapour-air mixture. Vapours may cause drowsiness and dizziness.

\* 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:****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	Ethan-1,2-diol REACH_01-2119456816-28-xxxx	> 75%	Xn ; R 22 ; GHS07 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 fumes from overheating or combustion.  
If symptoms persist, call a physician.

**4.1.2 Skin Contact:**

Wash off with warm water and soap. If symptoms persist, call a physician.

**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:**

Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.  
Consult a physician. Show this safety data sheet to the doctor in attendance.

**4.2 Most important symptoms and effects, both acute and delayed**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. weakness such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.

**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, CO<sub>2</sub>, 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:**

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

Contaminated surfaces will be extremely slippery. Do not breathe vapours or spray mist.

**6.2 Environmental precautions**

Do not contaminate water. 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, silica gel, acid binder, universal binder, sawdust).  
Shovel into suitable container for disposal.

**6.4 Reference to other sections**

None.

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**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 away from sources of ignition - No smoking. In use, may form flammable/explosive vapour-air mixture.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

**7.2.2 Store away from:**

Do not store together with strong oxidizing agents

**7.2.3 Further Information on Storage Conditions:**

Protect against humid air and water (hygroscopic).

**7.3 Specific end use(s)**

n.av.

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

Ethan-1,2-diol

**Limit Value**

10 ppm | 26 mg/m<sup>3</sup>, TWA: 20 ppm | 52 mg/m<sup>3</sup>

**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:P2 / FFP2

**8.2.2b Hand Protection:**

Protective gloves complying with EN 374.

Nitrile rubber(0,4 mm) Break through time> 6h Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

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:**

n.av.

**8.2.2e Further Information:** Observe wearing time limits:**8.2.3 Environmental exposure controls:**

n.av.

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

9.1.1	<b>Form:</b> liquid	<b>Colour:</b> violet	<b>Odour:</b> characteristic
			<b>Odour threshold:</b> n.av.
9.1.2	pH-value, undiluted:	8,	pH-value, 1% aqueous solution: n.av.
9.1.3	Boiling point / Boiling - range (°C):	> 160,	Melting point / Melting range (°C): < -18
9.1.4	Flash point (°C):	> 124,	closed cup
9.1.5	Flammability (EEC A10/A13):	No.	
9.1.6	Ignition temperature (°C):	420	
9.1.7	Autoflammability (EEC A16):	n.av.	
9.1.8	Oxidising properties:	No.	
9.1.9	Explosion hazard:	No.	
9.1.10	Explosion limits (Vol.%) lower:	3,4,	upper: 15,1
9.1.11	Vapour pressure: / Vapour density (Air = 1):	n.av. /	Vapours are heavier than air and may spread along floors.
9.1.12	Density (g/ml):	1,12	
9.1.13	Solubility (in Water):	completely miscible	Soluble in:
9.1.14	Partition coefficient, n-Octanol / Water:	n.av.	
9.1.15	Viscosity:	20 – 30	mm <sup>2</sup> / s
9.1.16	Solvent content (m %):	60 - 100	
9.1.17	Thermal decomposition (°C):	n.av.	
9.1.18	Evaporation rate:	n.av.	
9.2	<b>Other information</b>		
	n.av.		

**SECTION 10: Stability and reactivity**

10.1	<b>Reactivity</b>	None.
10.2	<b>Chemical stability</b>	Stable under normal conditions.
10.3	<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
10.4	<b>Conditions to avoid</b>	Heat, flames and sparks.
10.5	<b>Incompatible materials</b>	Incompatible with oxidizing agents.
10.6	<b>Hazardous decomposition products</b>	No decomposition if stored and applied as directed. To avoid thermal decomposition, do not overheat.

**SECTION 11: Toxicological information**

11.1	<b>Information on toxicological effects</b>	
11.1.1	<b>Substances</b>	
11.1.2	<b>Mixtures</b>	
	Acute Toxicity:	
	Inhalation:	n.av.
	Ingestion:	n.av.
	Skin Contact:	n.av.
	Irritation / corrosion (to skin / eye):	May cause eye irritation with susceptible persons.
	Sensitisation:	None.
	Carcinogenicity:	n.av.
	Mutagenicity:	n.av.
	Teratogenicity:	n.av.
	Narcotic Effects:	n.av.
11.1.3 –	<b>Practical Experience</b>	
11.1.12	n.av.	
11.1.13	<b>Practical Experience</b>	
	Observations relevant for classification:	None.
	Further Observations:	None.
	Classification of the preparation has been done by calculation in accordance with EEC directives.	

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**SECTION 12: Ecological information**

- 12.1 **Toxicity**  
 Toxicity to fish (Leuciscus idus) LC50 (96 h) > 100 mg/l,  
 Toxicity to algae EC50/72h/algae => 100 mg / l  
 EC50/48h/daphnia => 100 mg / l
- 12.2 **Persistence and degradability**  
 Readily biodegradable. Biological degradability 70%. (OECD 301 A)
- 12.3 **Bioaccumulative potential**  
 n.av.
- 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: n.av.
  - 12.6.2 BOD5-Value, mg/g: n.av.
  - 12.6.3 AOX-Remarks: Not applicable.
  - 12.6.4 Significant Components: n.av.
  - 12.6.5 Other adverse effects: Not applicable.

**SECTION 13: Disposal considerations**

- 13.1 **Waste treatment methods**
  - 13.1.1 Recommendation: R 4 / D 2  
 Waste - Code - No.: n.av.  
 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**

	<b>ADR</b>	<b>IMDG</b>	<b>IATA</b>
	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	<b>UN number</b>		
14.2	<b>UN proper shipping name</b>		
14.3	<b>Transport hazard class(es)</b>		
14.4	<b>Packing group</b>		
14.5	<b>Environmental hazards</b>		
14.6	<b>Special precautions for user</b> Transport category: Classification Code: Hazard - No.: LQ:		Packing Instructions (Passenger)  Packing Instructions (Cargo)
14.7	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>		

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**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.

Prepared by:

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