

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 19.02.2025

Version number 3.00 (replaces version 2.00)

Revision: 19.02.2025

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

1.1 Product identifier

Trade name: **CLASSIC KOLDA UE G48®**

UFI:

U830-E01P-K00H-YUQF

Notified for: Germany

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture Coolant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

DEUTSCHLAND

Telephone: +49 (4251) - 8120

products@classic-oil.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS08 health hazard

Repr. 1B H360FD May damage fertility. May damage the unborn child.

STOT RE 2 H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07



GHS08

Signal word Danger

Hazard-determining components of labelling:

Ethanediol

2-ethylhexanoic acid, sodium salt

disodium tetraborate, anhydrous

Hazard statements

H302 Harmful if swallowed.

H360FD May damage fertility. May damage the unborn child.

H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

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Precautionary statements

- P201 Obtain special instructions before use.
 P260 Do not breathe mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

Restricted to professional users.

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture does not contain any substances classified as PBT or vPvB substances.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties none

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description:

Ethanediol, Inhibitors

This product contains (a) substance(s) included on the candidate list according to article 59 (1,10) of regulation EC No. 1907/2006 ('REACH') in a concentration equal or above 0.1% w/w: disodium tetraborate, anhydrous

Dangerous components:

CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28	Ethanediol STOT RE 2, H373; Acute Tox. 4, H302	≥75-≤100%
CAS: 19766-89-3 EINECS: 243-283-8 Reg.nr.: 01-2119972937-17	2-ethylhexanoic acid, sodium salt Repr. 1B, H360D	≥1-<3%
CAS: 17265-14-4 EINECS: 241-300-3 Reg.nr.: 01-2120762063-61	Disodium sebacate Eye Irrit. 2, H319	≥1-<3%
CAS: 1330-43-4 EINECS: 215-540-4 Reg.nr.: 01-2119490790-32	disodium tetraborate, anhydrous Repr. 1B, H360FD; Eye Irrit. 2, H319	≥0.3-<1%

SVHC

CAS: 1330-43-4 | disodium tetraborate, anhydrous

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Remove contaminated clothing.

If there is a risk of unconsciousness, position and transport in the recovery position.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Wash with soap and water.

Consult a doctor if skin irritation persists.

After eye contact: Rinse opened eye for several minutes under running water.

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After swallowing:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Administer 50 ml of pure ethanol in a drinkable concentration.

Call for a doctor immediately.

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

First aid, decontamination, symptomatic treatment.

No specific antidote known.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Water spray, dry powder, foam

5.2 Special hazards arising from the substance or mixture

Harmful vapours. Evolution of fumes/fog.

During heating or in case of fire poisonous gases are produced.

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

Additional information

The hazard depends on the combusting substances and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Wear protective clothing.

Mount respiratory protective device.

6.2 Environmental precautions:

Retain contaminated water/extinguishing water. Do not allow to enter drains/surface water/ground water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

Dispose contaminated material as waste according to section 13.

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

Ventilate the storage and work areas well. Immediately reseal containers after removing product, as the product absorbs moisture from the air.

Wear chemical resistant gloves combined with specific job training. Wear appropriate coveralls to avoid skin exposure.

Temperature class: T2 (ignition temperature >300 °C).

Information about fire - and explosion protection: Protect against electrostatic charges.

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7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Unsuitable materials for containers: galvanised carbon steel (zinc), paper/cardboard.

Further information on storage conditions: Keep containers tightly closed in a dry place. Storage in galvanised containers is not recommended.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Store in a cool dry place. Keep away from heat.

Keep container tightly sealed.

Storage class: 6.1 C (TRGS 510)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

In order to check the effectiveness of protective measures, e.g. ventilation or the need for respiratory protection, metrological monitoring of the workplace may be necessary. Since this requires special expertise, only accredited measuring bodies should be commissioned for this purpose. With regard to suitable methods for determining inhalation exposure, the European standards EN 482, 689 and 14042 are to be applied. In addition, TRGS 402 in Germany must be observed.

DNELs

CAS: 107-21-1 Ethanediol

Dermal	DNEL(long/systemic)	106 mg/kg bw/d (Workers (Industrial/Professional))
	DNEL(long/systemic)	53 mg/kg bw/d (Consumer)
Inhalative	DNEL(long/local)	7 mg/m ³ (Consumer)
	DNEL(long/local)	35 mg/m ³ (Workers (Industrial/Professional))

PNECs No hazard potential.

Additional information: The safety data sheet of the pre-supplier served as the basis for the creation.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Handle in accordance with good industrial hygiene and safety practice.

Wear suitable protective clothing.

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Do not inhale gases / fumes / aerosols.

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Combination filter for gases/vapours of organic compounds and solid and liquid particles (f.e. EN 14387 Type A-P2)

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection

Wear chemical protective gloves according to EN 374



Protective gloves

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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

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

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

>480min

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

Eye/face protection

EN 166



Tightly sealed goggles

Body protection:

Protecting boots, chemical-protection suit.

Apron

Other

Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Fluid

Colour:

blue-green

Odour:

Product specific

Odour threshold:

Not determined.

Melting point/freezing point:

<-18 °C (DIN ISO 3016)

Boiling point or initial boiling point and boiling range

≥ 165 °C (ASTM D1120)

Flammability

difficult to ignite

Lower and upper explosion limit

Lower:

Not relevant for classification and labelling of liquids, The lower explosion point may be 5 °C to 15 °C below the flash point.

Upper:

Not relevant for classification and labelling of liquids.

Flash point:

>126.5 °C (DIN EN 22719; ISO 2719)

Auto-ignition temperature:

>440 °C (DIN 51794)

Decomposition temperature:

Not determined.

pH at 20 °C

7.1–7.3

Viscosity:

Kinematic viscosity at 20 °C

20–30 mm²/s

Dynamic:

Not determined.

Solubility

water:

Fully miscible.

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Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	0.2 hPa
Density and/or relative density	
Density at 20 °C:	1.122 g/cm ³ (DIN 51757)
Relative density	Not determined.
Vapour density	Heavier than air.
	Not determined.
Particle characteristics	The substance/product is placed on the market or used in a non-solid or granular state.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void
Metals that are corroded by the substance or mixture	Does not have a corrosive effect on metal.
Additional information	Hygroscoy: hygroscopic Thixotropy: not thixotropic

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.
Corrosion to metals: No corrosive effect on metal.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Materials to avoid: Strong oxidizing agents

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10.6 Hazardous decomposition products: Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

CAS: 107-21-1 Ethanediol

Oral	LD50 oral	1,600 mg/kg (Human)
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Primary irritant effect:

Skin corrosion/irritation

Assessment Irritant effect:

Not irritating to eyes and skin.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

Assessment Sensitisation:

Does not cause skin sensitisation in animal tests. Based on results from human experience a sensitising potential cannot be completely excluded.

Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Assessment of mutagenicity:

Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity:

From the totality of the assessable information there is no evidence of a carcinogenic effect.

Reproductive toxicity

Assessment of reproductive toxicity:

Contains a component that causes reproductive toxicity in animal studies.

Details of: Disodium tetraborate, anhydrous

Assessment Reproductive toxicity:

The substance showed an adverse effect on fertility in animal tests.

May damage fertility. May damage the unborn child.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure

Information on: Ethanediol

Assessment Repeated dose toxicity:

The substance may cause damage to the kidneys with repeated oral ingestion. The substance may cause damage to the kidneys with repeated dermal ingestion of large quantities.

May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

Aspiration hazard

No aspiration risk to be assumed.

Based on available data, the classification criteria are not met.

Other information (about experimental toxicology):

Developmental toxicity

Assessment Teratogenicity:

Contains a component that causes teratogenicity in animal studies.

Information on: ethanediol

Assessment of teratogenicity:

Developmental toxicity was observed after oral ingestion of high doses in studies with rats and mice, but this effect was not seen in a study with rabbits. Mechanistic studies show that the rabbit is the relevant species for the classification for human health. As such, and since ethylene glycol is not a developmental toxicant in the rabbit, no classification is warranted.

Information on: Sodium 2-ethylhexanoate

Assessment Teratogenicity:

In tests on animals there were indications of fruit-damaging effects. The product was not tested. The statement was derived from substances/products of similar structure or composition.

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Details of: Disodium tetraborate, anhydrous

Assessment Teratogenicity:

The substance showed a fruit-damaging/teratogenic effect in tests on animals.

11.2 Information on other hazards

Endocrine disrupting properties

The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine disrupting properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

None of the ingredients is listed.

Other information

The product has not been tested. The statements on toxicology were derived from the properties of the individual components.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Assessment of aquatic toxicity:

Highly unlikely to be acutely harmful to aquatic organisms.

Microorganisms/effect on activated sludge:

If low concentrations are properly discharged into adapted biological sewage treatment plants, disturbances of the degradation activity of activated sludge are not to be expected.

12.2 Persistence and degradability

Persistence and degradability	>70 % (28d) (OECD 301A) Elimination information DOC acceptance Easily biodegradable.
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12.3 Bioaccumulative potential

Bioaccumulative potential	Accumulation in organisms is not to be expected.
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12.4 Mobility in soil

Mobility in soil	Assessment of transport between environmental compartments: Volatility: The substance will not evaporate into the atmosphere from the water surface. Adsorption to soil: Binding to the solid soil phase is not to be expected.
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12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Other information:

Other ecotoxicological information:

Do not allow product to reach water bodies without pre-treatment.

The product has not been tested. The statements on ecotoxicology were derived from the properties of the individual components.

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.

Adsorbable organic bound halogen (AOX): The product does not contain organically bound halogen.

The product was not tested. The statements on ecotoxicology were derived from the properties of the individual components.

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The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer. (Contd. of page 8)

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

16 01 14*	antifreeze fluids containing hazardous substances
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP6	Acute Toxicity
HP10	Toxic for reproduction

Uncleaned packaging:

Recommendation:

Non contaminated packagings may be recycled.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA not regulated

14.2 UN proper shipping name

ADR, IMDG, IATA not regulated

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class not regulated

14.4 Packing group

ADR, IMDG, IATA not regulated

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Not applicable.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

UN "Model Regulation":

not regulated

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

The product is classified and labelled according to the CLP regulation.

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Hazard pictograms



GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

Ethanediol
2-ethylhexanoic acid, sodium salt
disodium tetraborate, anhydrous

Hazard statements

H302 Harmful if swallowed.
H360FD May damage fertility. May damage the unborn child.
H373 May cause damage to the kidneys through prolonged or repeated exposure. Route of exposure: Oral.

Precautionary statements

P201 Obtain special instructions before use.
P260 Do not breathe mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 28, 30, 75

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use:

The TRGS 910 "Risk-related concept of measures for activities involving carcinogenic hazardous substances" must be observed.

List of carcinogenic, germ cell mutagenic or reprotoxic substances (TRGS 905)

Germany:

Observe restrictions according to the Youth Employment Protection Act (JArbSchG)

Germany:

Observe restrictions according to the Maternity Protection Act (MuSchG)

Breakdown regulations: Listed in regulation: no

Technical instructions (air):

Germany:

TA Luft (First General Administrative Regulation to the Federal Immission Control Act - Technical Instructions on Air Quality Control)

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Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57

CAS: 1330-43-4 | disodium tetraborate, anhydrous

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.

H319 Causes serious eye irritation.

H360D May damage the unborn child.

H360FD May damage fertility. May damage the unborn child.

H373 May cause damage to organs through prolonged or repeated exposure.

Classification according to Regulation (EC) No 1272/2008

Acute toxicity - oral

Reproductive toxicity

Specific target organ toxicity (repeated exposure)

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: product management

Contact: product management

Date of previous version: 04.12.2023

Version number of previous version: 2.00

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

Repr. 1B: Reproductive toxicity – Category 1B

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

* **Data compared to the previous version altered.**