Safety data sheet

COMMISSION REGULATION (EC) 2020/878 , amending Article 31 of Annex II to Regulation (EC) No 1907/2006

Printing date 13.03.2024 *Version number 8 (replaces version 7)* *Revision: 13.03.2024*

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

1.1 Product identifier

Trade name: calgonit DS 633

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

Product is for professional use only.
Disinfectant

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Calvatis GmbH, 68526 Ladenburg-Germany, Am Hafen 16
Tel.: +49 (0)6203 105-0, Fax: +49 (0)6203 105-111

Calvatis GmbH, 4600 Wels-Austria, Kaiser-Josef-Platz 41
Tel.: +43 (0)7242 42899-0, Fax: +43 (0)7242 42899-22

Informing department:

Sicherheitsdatenblatt@calvatis.com
Calvatis GmbH Germany, Laboratory, Tel.: +49(0)6203-105 190

1.4 Emergency telephone number:

Berlin - Institut für Toxikologie - Klinische Toxikologie und Giftnotruf Berlin
Tel. (+49) 030 30686 700
E-Mail: mail@giftnotruf.de

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Met. Corr.1	H290 May be corrosive to metals.
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms

GHS05

Signal word Danger

Hazard-determining components of labelling:

methanesulphonic acid
L-Lactic acid (2-hydroxy propionic acid)

Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Precautionary statements

P260	Do not breathe mist/vapours/spray.
P280	Wear protective gloves / eye protection.
P280	Wear protective clothing.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P406	Store in a corrosion resistant container / container with a resistant inner liner.

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P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous components:		
CAS: 79-33-4 EINECS: 201-196-2 Index number: 607-743-00-5 Reg.nr.: 01-2119474164-39	L-Lactic acid (2-hydroxy propionic acid) Skin Corr. 1C, H314; Eye Dam. 1, H318, EUH071	15-30%
CAS: 75-75-2 EINECS: 200-898-6 Index number: 607-145-00-4 Reg.nr.: 01-2119491166-34	methanesulphonic acid Met. Corr.1, H290; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335	5-15%
Polymer Reg.nr.: 01-2119489924-20-0001	anionic surfactant Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	1-5%
Classification in accordance with Directive 648/2004:		
anionic surfactants		<5%

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
After inhalation Supply fresh air; consult doctor in case of symptoms.
After skin contact
Instantly wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact Rinse opened eye for several minutes under running water. Then consult doctor.
After swallowing
Rinse out mouth and then drink plenty of water.
Seek medical treatment.
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
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents
Use fire fighting measures that suit the environment.
CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment: Wear self-contained breathing apparatus.
Additional information Product is not combustible.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing.

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6.2 Environmental precautions:
Do not allow product to reach sewage systems or water bodies in great quantities.
6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, universal binder). Do not use combustible material like sawdust.
Dispose of the material collected according to regulations.
Ensure adequate ventilation.
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 information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with the eyes and skin.
Information about protection against explosions and fires: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities
Storage
Requirements to be met by storerooms and containers:
The official regulations for storage of chemicals hazardous to water must be observed.
Use only containers specifically permitted for this substance/product.
Information about storage in one common storage facility: Special Storage of hazardous substances.
Further information about storage conditions: Protect from frost.
Storage class TRGS 510: LGK 8B
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2 Exposure controls
Individual protection measures, such as personal protective equipment
General protective and hygienic measures
The usual precautionary measures should be adhered to general rules for handling chemicals.
Avoid contact with the eyes and skin.
Keep away from foodstuffs, beverages and food.
Take off immediately all contaminated clothing
Breathing equipment: Not necessary if room is well-ventilated.
Hand protection
Chemical resistant protectiv gloves (EN 374).


Protective gloves

Material of gloves
Chemical protection gloves of the category III in accordance with EN 374. Consider the data of the manufacturers at the permeability and break-through times as well as the special conditions on the job (mechanical load, contact duration)
Thickness: > 0.4 mm, Breakthrough time: > 480 min, Material: nitrile, butyl rubber
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.

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Penetration time of glove material
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 Tightly sealed safety glasses (EN 166).
Body protection: Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Colour:	nearly colorless
Odour:	slightly of surfactant
Odour threshold:	Not determined.
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Not applicable
Decomposition temperature:	Not determined.
pH (10 g/l) at 20 °C	2.2
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C	1.075 g/cm³
Relative density	Not determined.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Self-inflammability:	Not determined.
Explosive properties:	Not determined.
Solvent content:	
Organic solvents:	0.0 %
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

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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	May be corrosive to metals.
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions No dangerous reactions known
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.
LD/LC50 values that are relevant for classification:

Components	Type	Value	Species
CAS: 75-75-2 methanesulphonic acid			
Oral	LD50	649 mg/kg (rat)	
CAS: 79-33-4 L-Lactic acid (2-hydroxy propionic acid)			
Oral	LD50	>3,500 mg/kg (rat)	
Dermal	LD50	7,900 mg/kg (rbt)	

Skin corrosion/irritation
Causes severe skin burns and eye damage.
Serious eye damage/irritation
Causes serious eye damage.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.
STOT-single exposure Based on available data, the classification criteria are not met.
STOT-repeated exposure Based on available data, the classification criteria are not met.
Aspiration hazard Based on available data, the classification criteria are not met.
Additional toxicological information:
The toxicological evaluation of the preparation took place in accordance with computation methods after GefStoffV / GB CLP regulation.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.
12.2 Persistence and degradability No further relevant information available.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.

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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
Additional ecological information:
COD-value: 350 g O2/kg product
General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
During the introduction sourly or alkaline products in sewage systems it is to be made certain that the introduced waste water does not under and/or exceeds pH range of 6-10, since by pH shift disturbances in sewers and biological purification plants can occur.
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Must be specially treated with regard to official regulations.
Waste disposal key number:
The exact waste code must be agreed with the disposer.
Hazardous waste according to European Waste Catalogue (EWC).

Uncleaned packagings:
150110 **packaging containing residues of hazardous substances or contaminated by hazardous substances.**
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number	
ADR, IMDG, IATA	UN3265
14.2 UN proper shipping name	
ADR	3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid, L-Lactic acid (2-hydroxy propionic acid))
IMDG, IATA	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (methanesulphonic acid, L-Lactic acid (2-hydroxy propionic acid))
14.3 Transport hazard class(es)	
ADR	

Class	8 (C3)
Label	8

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IMDG, IATA

Class	8
Label	8
14.4 Packing group	
ADR, IMDG, IATA	III
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	
Kemler Number:	80
EMS Number:	F-A,S-B
Segregation groups	Acids
Stowage Category	A
Stowage Code	SW2 Clear of living quarters.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	E
Remarks:	Dependent on the packing variant special arrangements for "limited quantities" and exemptions (addr Kap.3.4.) can be taken up.
UN "Model Regulation":	UN 3265 CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (METHANESULPHONIC ACID, L-LACTIC ACID (2-HYDROXY PROPIONIC ACID)), 8, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations Authorisation number EU-NR. 0028957-0019 1-7

Water hazard class (Germany): Water hazard class 2 (Self-assessment): hazardous for water.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.
The above information is based on our present knowledge about the product. It does not guarantee specific product features.

Full text of R-phrases listed in chapters 2 and 3:
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.

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H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Department issuing data specification sheet: Sicherheitsdatenblatt@calvatis.com

Reference to modifications:

Please take notice of the changes made in compare to the last version from 7 in the following sections: 9.16

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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Corr. 1C: Skin corrosion/irritation – Category 1C
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Sources KC-077028m