

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 05.05.2022

Version number 7 (replaces version 6)

Revision: 05.05.2022

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

1.1 Product identifier

Trade name: calgodip Osmo Duo active

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.

Teat dip- and cleaning agent with disinfection

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Calvatis GmbH, 68526 Ladenburg-Germany, Am Hafen 16 a

Tel.: +49 (0)6203 105-0, Fax: +49 (0)6203 105-111

Calvatis GmbH, 4600 Wels-Austria, Kaiser-Josef-Platz 41

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

Sicherheitsdatenblatt@calvatis.com

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

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

2.3 Other hazards

Results of PBT and vPvB assessment

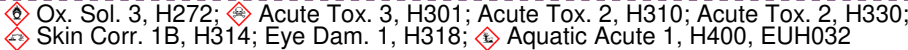
PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures Solution of sodium chlorite in water.

Dangerous components:

CAS: 7758-19-2	sodium chlorite	<1%
EINECS: 231-836-6		

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. If symptoms persist, consult doctor.

After swallowing Drink copious amounts of water and provide fresh air. Instantly call for doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

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4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam. Use fire fighting measures that suit the environment.

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

Cool endangered containers with water spray jet.
Product is not combustible.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.
Put on breathing apparatus in case of liberation of chlorine dioxide.

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.

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 No special measures required.

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.

Information about storage in one common storage facility: Special Storage of hazardous substances.

Further information about storage conditions: Protect from frost.

Storage class VCI: LGK 12

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.

Additional information: The lists that were valid during the compilation were used as basis.

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.
Keep away from foodstuffs, beverages and food.
Avoid contact with the eyes.

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Breathing equipment: Not required.

Hand protection Chemical resistant protective gloves (EN 374).

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.

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

Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling range	100 °C
Flammability	Not applicable.
Flash point:	Not applicable
Self-inflammability:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH (10 g/l) at 20 °C	9.4
Solubility	
Water:	Fully miscible
Density and/or relative density	
Density at 20 °C	1.0 g/cm ³

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined
Change in condition	
Crystallisation temperature / range:	0 °C
Oxidising properties	no

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

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Organic peroxides	Void
Corrosive to metals	Void
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: Chlorine dioxide (in case of reaction with acids).

SECTION 11: Toxicological information

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

Acute toxicity No data for the preparation available.

LD/LC50 values that are relevant for classification:

CAS: 7758-19-2 sodium chlorite

Oral	LD50	164 mg/kg (Rat)
Dermal	LD50	134 mg/kg (Kan)
Inhalative	LC50/4 h	0.23 mg/l (Rat)

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

Chlorine dioxide which is set free due to acid effect can lead to heavy damage of the eyes and respiratory system.

The toxicological evaluation of the preparation took place in accordance with computation methods after GefStoffV / 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.

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:

AOX-indication: Product halogenates and contributes to the AOX-value.

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General notes:

In case of product reaches waters untreated, harmful effects on fish and aquatic organism are possible. 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.

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:

Contaminated packages must be completely emptied and may be reused after proper cleaning.

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR Transport category	-
UN "Model Regulation":	Void

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

Water hazard class (Germany): Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

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

The product contains no substances from SVHC list.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

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:

- H272 May intensify fire; oxidiser.
- H301 Toxic if swallowed.
- H310 Fatal in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- EUH032 Contact with acids liberates very toxic gas.

Department issuing data specification sheet: Calvatis GmbH Germany, Laboratory

Reference to modifications:

Please take notice of the changes made in compare to the last version from 1 in the following sections: 15.16

Abbreviations and acronyms:

- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- 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
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Ox. Sol. 3: Oxidizing solids – Category 3
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 2: Acute toxicity – Category 2
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Sources KC-745970k