

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

Printing date 23.08.2022

Version number 6 (replaces version 5)

Revision: 23.08.2022

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

**1.1 Product identifier**

**Trade name: calgodip Osmo Duo Spray**

**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.

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer/Supplier:**

Calvatis GmbH, 68526 Ladenburg, Deutschland  
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

Homepage: www.calvatis.com

**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**

The product is not classified, according to the GB 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 glycerine and surfactants in water.

**Dangerous components:**

CAS: 56-81-5	glycerol	5-15%
EINECS: 200-289-5	substance with a Community workplace exposure limit	
CAS: 10222-01-2	2,2-dibromo-2-cyanoacetamide	< 0.5%
EINECS: 233-539-7	☠ Acute Tox. 3, H301; Acute Tox. 2, H330; ☠ STOT RE 1, H372; ☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 1, H410; ☠ Skin Irrit. 2, H315; Skin Sens. 1, H317	
<b>Classification in accordance with Directive 648/2004:</b>		
anionic surfactants, non-ionic surfactants		<5%
colouring agents		

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

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### 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** The product is not skin irritating.

#### After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing** 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

CO<sub>2</sub>, 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** Product is not combustible.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

#### 6.2 Environmental precautions:

Do not allow product to reach sewage systems or water bodies in great quantities.

Do not allow to enter drainage system, surface or ground water.

#### 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.

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

**Components with limit values that require monitoring at the workplace:**

**CAS: 56-81-5 glycerol**

WEL | Long-term value: 10 mg/m<sup>3</sup>

#### 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.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

**Breathing equipment:** Not required.

##### Hand protection

Protectiv gloves recommended.

Chemical resistant protectiv 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:** Protective clothes recommendable

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Colour:</b>	blue
<b>Odour:</b>	slightly of surfactant
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	> 100 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable
<b>Decomposition temperature:</b>	Not determined.
<b>pH (10 g/l) at 20 °C</b>	4.8
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	1.042 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.

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<b>Vapour density</b>	Not determined.
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**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.

**Change in condition****Crystallisation temperature / range:**

ca. 0 °C

**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

### 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** No data for the preparation available.**LD/LC50 values that are relevant for classification:****CAS: 56-81-5 glycerol**

Oral | LD50 | 12,600 mg/kg (rat)

**CAS: 10222-01-2 2,2-dibromo-2-cyanoacetamide**

Oral | LD50 | 308 mg/kg (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.

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**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**

CAS: 10222-01-2	2,2-dibromo-2-cyanoacetamide	List II
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### 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** For information on endocrine disrupting properties see section 11.

**12.7 Other adverse effects**

**Additional ecological information:**

**COD-value:** 266 g O<sub>2</sub>/kg product

**General notes:**

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.

This surfactant complies 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. 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 bodies or sewage system.

### 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
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**14.2 UN proper shipping name**

ADR	Void
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ADN, IMDG, IATA	Void
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**14.3 Transport hazard class(es)**

ADR, ADN, IMDG, IATA	Void
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Class	Void
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**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****Technical instructions (air):**

Class	Share in %
I	<1
NK	5-15

**Water hazard class (Germany):** 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**

The product contains no substances from SVHC list.

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

### 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:**

H301 Toxic if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H330 Fatal if inhaled.

H372 Causes damage to organs through prolonged or repeated exposure.

H410 Very toxic to aquatic life with long lasting effects.

**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 5 in the following sections: 1

**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

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 2: Acute toxicity – Category 2

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Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
**Sources** KC-675998d

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