



Trade name: OtoVita Professional Disinfection Spray

Substance number: 71203

Version: 1 / GB

Date revised: 09.08.2023

Replaces Version: - / GB

Print date: 09.08.2023

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

1.1. Product identifier

OtoVita Professional Disinfection Spray

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

Use of the substance/preparation

For the disinfection of worktops and ear impressions

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Dreve Otoplastik GmbH

Max-Planck-Straße 31

59423 Unna

Telephone no. +49 2303 8807-0

Fax no. +49 2303 8807-29

Information provided by / telephone Department Research & Development: Fax: +49 2303 8807-562

E-mail address of person responsible sicherheitsdatenblatt@dreve.de

for this SDS

1.4. Emergency telephone number

Henkel Fire Department / 24h-Emergency-Contact-No.: +49 211 797-3350

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Supplemental information

EUH210

Safety data sheet available on request.

2.3. Other hazards

No special hazards have to be mentioned.

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients

3.2. Mixtures



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Hazardous ingredients**Didecyldimethylammonium chloride**

| | | | | |
|--|-------------------|---|------|---|
| CAS No. | 7173-51-5 | | | |
| EINECS no. | 230-525-2 | | | |
| Registration no. | 01-2119945987-15 | | | |
| Concentration | >= 0,1 | < | 1 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Acute Tox. 3 | | H301 | |
| | Skin Corr. 1B | | H314 | |
| | Aquatic Acute 1 | | H400 | |
| | Aquatic Chronic 2 | | H411 | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | | | |
|-----|-----------------|------|--------|-------|
| | Aquatic Acute 1 | H400 | M = 10 | |
| ATE | oral | 238 | | mg/kg |

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | | | |
|--|-------------------|---|------|-------------------------|
| CAS No. | 2372-82-9 | | | |
| EINECS no. | 219-145-8 | | | |
| Registration no. | 01-2119980592-29 | | | |
| Concentration | >= 0,1 | < | 0,25 | % |
| Classification (Regulation (EC) No. 1272/2008) | | | | |
| | Acute Tox. 3 | | H301 | |
| | Skin Corr. 1B | | H314 | |
| | STOT RE 2 | | H373 | Route of exposure: oral |
| | Aquatic Acute 1 | | H400 | |
| | Aquatic Chronic 1 | | H410 | |

Concentration limits (Regulation (EC) No. 1272/2008)

| | | | | |
|-----|-------------------|------|--------|-------|
| | Aquatic Acute 1 | H400 | M = 10 | |
| | Aquatic Chronic 1 | H410 | M = 1 | |
| ATE | oral | 261 | | mg/kg |

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Do not induce vomiting. Summon a doctor immediately.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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



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Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Recommended: alcohol resistant foam, CO₂, powders, water spray/mist, Extinguishing measures to suit surroundings

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Clean contaminated floors and objects thoroughly, observing environmental regulations. Dispose of as prescribed.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Further information on storage conditions

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Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | |
|----------------------|--------------------------------|-------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 0,91 | mg/kg |

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 2,35 | mg/m ³ |

| | | |
|-------------------|--------------------------------|-------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Route of exposure | dermal | |
| Concentration | 0,54 | mg/kg |

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 0,7 | mg/m ³ |

| | | |
|-----------------|--------------------------------|-------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Consumer | |
| Concentration | 0,2 | mg/kg |

Didcyldimethylammonium chloride

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 5,39 | mg/m ³ |

| | | |
|----------------------|--------------------------------|-------------------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Acute | |
| Route of exposure | inhalative | |
| Mode of action | Systemic effects | |
| Concentration | 5,39 | mg/m ³ |



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| | | |
|----------------------|--------------------------------|-------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Long term | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 1,55 | mg/kg |

| | | |
|----------------------|--------------------------------|-------|
| Type of value | Derived No Effect Level (DNEL) | |
| Reference group | Worker | |
| Duration of exposure | Acute | |
| Route of exposure | dermal | |
| Mode of action | Systemic effects | |
| Concentration | 1,55 | mg/kg |

Predicted No Effect Concentration (PNEC)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**

| | | |
|---------------|------------|------|
| Type of value | PNEC | |
| Type | Freshwater | |
| Concentration | 0,001 | mg/l |

| | | |
|---------------|-------|-------|
| Type of value | PNEC | |
| Type | Soil | |
| Concentration | 45,34 | mg/kg |

| | | |
|---------------|-----------------|-------|
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,85 | mg/kg |

| | | |
|---------------|---------------------|-------|
| Type of value | PNEC | |
| Type | Freshwater sediment | |
| Concentration | 8,5 | mg/kg |

| | | |
|---------------|------------------------------|------|
| Type of value | PNEC | |
| Type | Sewage treatment plant (STP) | |
| Concentration | 1,33 | mg/l |

| | | |
|---------------|------------------------------|------|
| Type of value | PNEC | |
| Type | Water (intermittent release) | |
| Concentration | 0 | mg/l |

| | | |
|---------------|--------|------|
| Type of value | PNEC | |
| Type | Marine | |
| Concentration | 0 | mg/l |

Didecyldimethylammonium chloride

| | | |
|---------------|------------|------|
| Type of value | PNEC | |
| Type | Freshwater | |
| Concentration | 0,002 | mg/l |

| | | |
|---------------|--------|------|
| Type of value | PNEC | |
| Type | Marine | |
| Concentration | 0,0002 | mg/l |

| | | |
|---------------|---------------------|--|
| Type of value | PNEC | |
| Type | Freshwater sediment | |



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| | | |
|---------------|------------------------------|-------|
| Concentration | 2,82 | mg/kg |
| Type of value | PNEC | |
| Type | Marine sediment | |
| Concentration | 0,28 | mg/kg |
| Type of value | PNEC | |
| Type | Sewage treatment plant (STP) | |
| Concentration | 0,595 | mg/l |
| Type of value | PNEC | |
| Type | Soil | |
| Concentration | 1,4 | mg/kg |

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Not necessary, but do not inhale vapours.

Hand protection

Not necessary.

Eye protection

Safety glasses

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|----------------|----|
| Physical state | liquid | |
| Colour | blue | |
| Odour | characteristic | |
| Melting point | | |
| Remarks | not determined | |
| Freezing point | | |
| Remarks | not determined | |
| Boiling point or initial boiling point and boiling range | | |
| Value | 100 | °C |
| Flammability | | |
| evaluation | not determined | |
| Upper and lower explosive limits | | |
| Remarks | not determined | |
| Flash point | | |
| Remarks | Not applicable | |
| Ignition temperature | | |
| Remarks | not determined | |



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Decomposition temperature

Remarks not determined

pH value

Remarks not determined

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Vapour pressure

Remarks not determined

Density and/or relative density

| | | | |
|-------------|------|----|-------------------|
| Value | 0,99 | | g/cm ³ |
| Temperature | 20 | °C | |

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Remarks miscible in all proportions

Explosive properties

evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known



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SECTION 11: Toxicological information

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

Acute oral toxicity

| | | | |
|--------|--|--------|-------|
| ATE | > | 10.000 | mg/kg |
| Method | calculated value (Regulation (EC) No. 1272/2008) | | |

Acute oral toxicity (Components)

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | | |
|---------|----------|-----|-------|
| Species | rat | | |
| LD50 | > | 261 | mg/kg |
| Method | OECD 401 | | |

Didecyldimethylammonium chloride

| | | | |
|---------|---------------------|-----|-------|
| Species | rat | | |
| LD50 | > | 238 | mg/kg |
| Method | OECD 401 | | |
| Source | Manufacturer's data | | |

Acute dermal toxicity

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

Acute dermal toxicity (Components)

Didecyldimethylammonium chloride

| | | | |
|---------|---------------------|------|-------|
| Species | rabbit | | |
| LD50 | > | 3342 | mg/kg |
| Source | Manufacturer's data | | |

Acute inhalational toxicity

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

Skin corrosion/irritation

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

Skin corrosion/irritation (Components)

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | | |
|------------|-----------|--|--|
| Species | rabbit | | |
| evaluation | corrosive | | |
| Method | OECD 404 | | |

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | | |
|------------|-----------|--|--|
| Species | Human | | |
| evaluation | corrosive | | |

Didecyldimethylammonium chloride

| | | | |
|------------|-----------|--|--|
| Species | rabbit | | |
| evaluation | corrosive | | |
| Method | OECD 404 | | |

Serious eye damage/irritation

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

Serious eye damage/irritation (Components)

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | | |
|------------|-----------|--|--|
| evaluation | corrosive | | |
|------------|-----------|--|--|

Didecyldimethylammonium chloride

| | | | |
|------------|-----------|--|--|
| Species | rabbit | | |
| evaluation | corrosive | | |



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Sensitization

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

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

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

Reproductive toxicity

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

Carcinogenicity

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

Specific Target Organ Toxicity (STOT)**Single exposure**

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

Repeated exposure

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

Specific Target Organ Toxicity (STOT) (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine****Repeated exposure**evaluation May cause damage to organs through prolonged or repeated exposure
Route of exposure oral

Species rat

NOAEL 4 mg/kg

Aspiration hazard

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

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

Other information

No toxicological data are available.

SECTION 12: Ecological information**12.1. Toxicity****General information**

not determined

Fish toxicity (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**Species zebra fish (Brachydanio rerio)
LC50 0,431 mg/l
Method OECD 203**Didecyldimethylammonium chloride**LC50 0,49 mg/l
Duration of exposure 96 h
Method OECD 203**Daphnia toxicity (Components)**

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N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | |
|----------------------|---------------|------|
| Species | Daphnia magna | |
| EC50 | 0,077 | mg/l |
| Duration of exposure | 48 | h |
| Method | OECD 202 | |

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | |
|----------------------|---------------|------|
| Species | Daphnia magna | |
| NOEC | 0,024 | mg/l |
| Duration of exposure | 21 | d |
| Method | OECD 211 | |

Didecyltrimethylammonium chloride

| | | |
|----------------------|----------|------|
| LC50 | 0,029 | mg/l |
| Duration of exposure | 48 | h |
| Method | OECD 211 | |

Didecyltrimethylammonium chloride

| | | |
|--------|----------|------|
| NOEC | 0,021 | mg/l |
| Method | OECD 211 | |

Algae toxicity (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**

| | | |
|----------------------|-------------------------|------|
| Species | Scenedesmus subspicatus | |
| EC10 | 0,012 | mg/l |
| Duration of exposure | 72 | h |
| Method | OECD 201 | |

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine

| | | |
|----------------------|---------------------------------|------|
| Species | Pseudokirchneriella subcapitata | |
| ErC50 | 0,015 | mg/l |
| Duration of exposure | 72 | h |
| Method | OECD 201 | |

Didecyltrimethylammonium chloride

| | | |
|----------------------|---------------------------------|------|
| Species | Pseudokirchneriella subcapitata | |
| EC50 | 0,062 | mg/l |
| Duration of exposure | 72 | h |

Bacteria toxicity (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**

| | | |
|----------------------|------------------|------|
| Species | activated sludge | |
| EC50 | 18 | mg/l |
| Duration of exposure | 3 | h |
| Method | OECD 209 | |

Didecyltrimethylammonium chloride

| | | |
|---------|------------------|------|
| Species | activated sludge | |
| NOEC | 5,95 | mg/l |
| Method | OECD 209 | |

12.2. Persistence and degradability**General information**

not determined

Ready degradability (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**

| | | |
|------------------|----------------------|---|
| Value | 79 | % |
| Duration of test | 28 | d |
| Method | Sewage water systeme | |

N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine



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| | | | |
|------------------|----|---|---|
| Value | 68 | | % |
| Duration of test | 28 | d | |

Didecyldimethylammonium chloride**12.3. Bioaccumulative potential****General information**

not determined

Partition coefficient n-octanol/water (log value)

Remarks not determined

Octanol/water partition coefficient (log Pow) (Components)**N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine**

log Pow 4,46

12.4. Mobility in soil**General information**

not determined

12.5. Results of PBT and vPvB assessment**General information**

not determined

Results of PBT and vPvB assessment

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects**General information**

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Must not be disposed together with household garbage.

Dispose of waste according to applicable legislation.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information



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| | Land transport ADR/RID | Marine transport IMDG/GGVSee | Air transport ICAO/IATA |
|----------------------------------|--|---|---|
| 14.1. UN number or ID number | The product does not constitute a hazardous substance in land transport. | The product does not constitute a hazardous substance in sea transport. | The product does not constitute a hazardous substance in air transport. |
| 14.2. UN proper shipping name | - | - | - |
| 14.3. Transport hazard class(es) | | - | - |
| Label | | | |
| 14.4. Packing group | | - | - |

SECTION 15: Regulatory information

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 2/3

| | |
|------|--|
| H301 | Toxic if swallowed. |
| H314 | Causes severe skin burns and eye damage. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

CLP categories listed in Chapter 2/3

| | |
|-------------------|--|
| Acute Tox. 3 | Acute toxicity, Category 3 |
| Aquatic Acute 1 | Hazardous to the aquatic environment, acute, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, chronic, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment, chronic, Category 2 |
| Skin Corr. 1B | Skin corrosion, Category 1B |
| STOT RE 2 | Specific target organ toxicity - repeated exposure, Category 2 |

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.