

SAFETY DATA SHEET

According to Regulation (EC) No.1907/2006
Disicide® Spray

Valid from 2019-08-09

Version 1.0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Disicide® Spray

300 ml Art.nr. 035012 1000 ml Art.nr. 035013 5000 ml. Art.nr. 035014

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

Use of the Substance/Mixture: Biocides

Uses advised against: At this moment we have not identified any uses advised against

1.3 Details of the supplier of the safety data sheet

Manufacturer Terapima Svenska AB
Smidesvägen 13
SE – 24534 Staffanstorp, Sweden
+46 46 238495
info@disicide.com

1.4 Emergency telephone number Please call your local emergency number

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Hazard class	Hazard category	Target Organs	Hazard statements
Chronic aquatic toxicity	Category 3	---	H412

For the full text of the H-Statements mentioned in this Section, see Section 16.

Most important adverse effects

Human Health According to our experience and to the information provided to us, the product does not have any harmful effects if it is used and handled as specified.

Physical and chemical hazards Stable under normal conditions.

Potential environmental effects Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

Hazard statements: H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention: P273 Avoid release to the environment.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008)	
		Hazard class / Hazard category	Hazard statements
Didecyldimethylammonium chloride			
Index-No: 612-131-00-6	>= 0,25 - < 1	Acute Tox.3	H301
CAS-No: 7173-51-5		Skin Corr.1B	H314
EC-No: 230-525-2		Aquatic Chronic1	H410
		Aquatic Acute1	H400

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

4.1. Description of first aid measures

If inhaled: Move to fresh air.

In case of skin contact: Rinse with water.

In case of eye contact: Rinse with plenty of water. Remove contact lenses. If systems persist, call Doctor.

If swallowed: Drink 1 or 2 glasses of water. If systems persist, call Doctor.

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

Symptoms: See Section 11 for more detailed information on health effects and symptoms.

Effects: See Section 11 for more detailed information on health effects and symptoms.

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

Treatment: Treat symptomatically. No further information available.

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Water spray, foam, dry powder or CO₂.

Unsuitable extinguishing media: High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting: Incomplete combustion may form toxic pyrolysis products.

5.3. Advice for firefighters

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus. Wear personal protective equipment. Choose protective equipment according to size of fire.

Further advice: No further information available.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

No special precautions required

6.2. Environmental precautions

Should not be released into the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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6.4. Reference to other sections

See Section 8 for information on personal protective equipment.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures:

Smoking, eating and drinking should be prohibited in the application area. Contaminated work clothing should not be allowed out of the workplace. Wash hands before breaks and at the end of workday. Keep away from food, drink and animal feeding-stuffs.

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions: Keep tightly closed in a dry and cool place. Keep in well-ventilated place.

Requirements for storage areas and containers: Storage must follow the regulations for flammable liquids.

7.3. Specific end use(s)

Specific use(s): No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

(Additional) Information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Personal protective equipment

Protective measures

Advice: No special protective equipment required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Form:	Liquid
Colour:	Blue
Odour:	No data available
Odour Threshold:	No data available
pH:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	> 100 °C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapour pressure:	No data available
Relative vapour density	No data available
Relative density:	No data available
Löslighet / kvalitativ:	No data available
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Viscosity, dynamic:	No data available
Explosivity:	No data available
Oxidizing properties:	No data available

9.2. Other information

No further information available.

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10. STABILITY AND REACTIVITY

10.1. Reactivity

Advice: Stable at normal ambient temperature and pressure.

10.2. Chemical stability

Advice: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Stable under recommended storage conditions.

10.4. Conditions to avoid

Conditions to avoid: No information available.

10.5. Incompatible materials

Materials to avoid: No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products: No information available.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<i>Data for the product</i>	Acute toxicity
Oral	
Acute toxicity estimate:	> 2000 mg/kg) (Calculation method)
Inhalation	No data available
Dermal	No data available
	Irritation
Skin	No data available
Eyes	No data available
	Sensitisation
	No data available
	CMR effects
CMR Properties	
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive toxicity:	No data available
	Specific Target Organ Toxicity
Single exposure	No data available
Repeated exposure	No data available
	Other toxic properties
Repeated dose toxicity	No data available
Aspiration hazard	No data available

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12. ECOLOGICAL INFORMATION



12.1. Toxicity

Component: *Didecyldimethylammonium chloride* **CAS-No.** 7173-51-5
Acute toxicity

Fish

LC50 0,19 mg/l ((Pimephales promelas (fathead minnow); 96 h) (US – EPA)

Toxicity to daphnia and other aquatic invertebrates

EC50 0,062 mg/l (Daphnia magna; 48 h) (Immobilization; EPA-FIFRA)

Algae

ErC50 0,026 mg/l (Pseudokirchneriella subcapitata (green algae); 96 h)
(Growth inhibition; OECD Test Guideline 201)

Bacteria

EC50 11 mg/l (activated sludge; 3 h) (Respiration inhibition; OECD Test Guideline 209)

Chronic toxicity

Fish

NOEC 0,032 mg/l (Danio rerio (zebra fish); 34 d) (OECD Test Guideline 210)

Aquatic invertebrates

NOEC 0,010 mg/l (Daphnia magna (Water flea); 21 d)
(Reproductive toxicity; OECD Test Guideline 211)

M-Factor

M-Factor (Acute Aquat. Tox.) 10

M-Factor (Chron. Aquat. Tox.) 1

12.2. Persistence and degradability

Data for the product **Persistence and degradability**

Result **Persistence**
No data available

Component: *Didecyldimethylammonium chloride* **CAS-No.** 7173-51-5
Persistence and degradability

Biodegradability

Result 72 % (Exposure Time: 28 d)(OECD Test Guideline 301B) Readily biodegradable
Result 91 % (Exposure Time: 24 - 70 d) (OECD 303 A)

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12.3. Bioaccumulative potential

Component: *Didecyldimethylammonium chloride*

CAS-No. 7173-51-5

Acute toxicity

Bioaccumulation

Result BCF: 2,1 Bioaccumulation is not expected.

12.4. Mobility in soil

Data for the product

Result No data available

12.5. Results of PBT and vPvB assessment

Data for the product

Results of PBT and vPvB assessment

Result This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

Data for the product

Additional ecological information

Result Harmful to aquatic life with long lasting effects

13. DISPOSAL CONSIDERATIONS



13.1. Waste treatment methods

Product

Eliminate waste in conditions authorized by the regulations. Store waste in containers provided for this purpose. Do not dump in drains, water sheets or the ground.

Contaminated packaging

Packaging that cannot be cleaned are to be disposed of in the same manner as the product.

European Waste Catalogue Number

No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. TRANSPORT INFORMATION



Not dangerous goods for ADR, RID, IMDG and IATA

14.1. UN number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) Not applicable.

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- 14.4. Packaging group** Not applicable.
- 14.5. Environmental hazards** Not applicable.
- 14.6. Special precautions for user** Not applicable.
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
IMDG Not applicable.

15. REGULATORY INFORMATION

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

Data for the product

Other regulations Only persons, who are thoroughly instructed in the dangerous properties and the necessary safety precautions of the substance, are allowed to work with it.

15.2. Chemical safety assessment No data available

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

- H301** Toxic if swallowed.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms

- BCF** Bioconcentration factor
BOD Biochemical oxygen demand
CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging
CMR Carcinogenic, mutagenic or toxic to reproduction
COD Chemical oxygen demand
DNEL Derived no-effect level
EINECS European Inventory of Existing Commercial Chemical Substances
ELINCS European List of Notified Chemical Substances
GHS Globally Harmonized System of Classification and Labelling of Chemicals
LC50 Median lethal concentration
LOAEC Lowest observed adverse effect concentration
LOAEL Lowest observed adverse effect level
LOEL Lowest observed effect level
NLP No-longer polymer
NOAEC No observed adverse effect concentration
NOAEL No observed adverse effect level
NOEC No observed effect concentration
NOEL No observed effect level
OECD Organisation for Economic Cooperation and Development
OEL Occupational exposure limit
PBT Persistent, bioaccumulative and toxic
PNEC Predicted no-effect concentration
STOT Specific target organ toxicity
SVHC Substance of very high concern
UVCB Substance of unknown or variable composition, complex reaction products or biological materials
vPvB Very persistent and very bioaccumulative