

## Material Safety Data Sheet

according to Regulation (EU) 2020/878

Fermacidal D2

Revision date: 23.10.2023/CH-eng

Previous version: 01.01.2020

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### 1. Identification of the substance/mixture and of the company

#### 1.1. Product identifier

Substance name: Fermacidal D2

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

Use of the substance: Disinfectant for surfaces and objects

In the following areas:

|    |                                                                                                  |
|----|--------------------------------------------------------------------------------------------------|
| 02 | Private area and public health area disinfectants and other public health area biocidal products |
| 03 | Veterinary hygiene biocidal products                                                             |
| 04 | Food and feed area disinfectants                                                                 |

#### 1.3. Details of the supplier of the safety data sheet

Company: IC PRODUCTS SA  
Via Santa Maria 68A  
6596 Gordola  
Switzerland

Dept. responsible for information Tel.: +41 91 743 67 61 - Fax: +41 91 743 73 60

Email address: admin@icproducts.ch

#### 1.4. Emergency telephone number

Emergency information: Tel.: +41 91 743 67 67 or call the Swiss Toxicological Information Center (STIZ145).

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### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Fermacidal D2 does not require classification in accordance with the Globally Harmonized System (GHS) - Regulation (EC) No. 1272/2008.

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### 2.2. Label elements

#### Labelling in accordance with Regulation (EC) No. 1272/2008

Pictogram: -

Signal word: -

Hazard statements: -

Precautionary statement(s): P102 Keep out of reach of children.

### 2.3. Other hazards

According to regulation (EC) No. 1907/2006 (REACH) 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.

#### Additional information

Requirements in the food industry:

- After the prescribed exposure time rinse the disinfected surfaces, equipment, tools, and containers several times with drinking water
- Do not treat food directly
- Treat only smooth (nonabsorbent and non-porous) materials

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## 3. Composition/information on ingredients

### 3.1. Mixtures

#### Chemical characterization

#### Active ingredients

Concentration of the following active ingredients in the mixture: 0,26 %

| Name                                          | Product identifier                         | Classification at a concentration of < 5 % (%w/w)             | Concentration (% w/w) |
|-----------------------------------------------|--------------------------------------------|---------------------------------------------------------------|-----------------------|
| Alkyl-C12-16-dimethylbenzyl ammonium chloride | (CAS-no.) 68424-85-1<br>(EC-no.) 939-253-5 | Acute Tox. 4; H302<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318 | ≥ 3 - < 5             |

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|                                                                                      |                                            |                                                                                                                                                                                                      |                |
|--------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                                                                                      |                                            | Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>M-factor (acute aquatic toxicity): 10<br>M-factor (chronic aquatic toxicity): 1                                                                  |                |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl-, chlorides | (CAS-no.) 85409-23-0<br>(EC-no.) 287-090-7 | Acute Tox. 4; H302<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>M-factor (acute aquatic toxicity): 10<br>M-factor (chronic aquatic toxicity): 1 | $\geq 3 - < 5$ |
| Didecyldimethylammonium chloride                                                     | (CAS-no.) 7173-51-5<br>(EC-no.) 230-525-2  | Acute Tox. 3; H301<br>Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Aquatic Acute 1; H400<br>Aquatic Chronic 2; H411<br>M-factor (acute aquatic toxicity): 10                                           | $\geq 3 - < 5$ |

For a full text of H-Statements, see Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

General advice: No special measures required. Consult doctor if any complaint arises.

Inhalation: Supply fresh air if needed. If breathing difficulty arises, get medical advice.

Skin contact: The product does not irritate the skin. Consult a doctor in case of complaints.

Eye contact: Remove contact lenses if present. Rinse with plenty of water, also under the eyelids, for ten minutes. Consult a doctor if irritation persists.

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Ingestion: Rinse mouth and drink plenty of water. Never induce vomiting or give anything by mouth to an unconscious person. Consult a doctor if complaints arise.

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

No further relevant information available. Consult doctor if any complaint should arise.

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

Treat symptomatically.

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### 5. Firefighting measures

#### 5.1. Extinguishing media

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

#### 5.2. Special hazards arising from the substance or mixture

Special firefighting hazards: Heating or fire could release toxic gas.

#### 5.3. Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus for firefighters

Additional information: Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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### 6. Accidental release measures

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

Personal precautions: Not required.

#### 6.2. Environmental precautions

Environmental precautions: Do not allow to enter sewers/surface or ground water.

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### 6.3. Methods and materials for containment and cleaning up

Cleaning procedure: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) if needed.

### 6.4. Reference to other sections

For disposal considerations, see section 13.

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## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling: Reduce the release of the mixture to the environment by avoiding spills and keeping away from drains.

Advice on protection against : No special measures required.  
fire and explosion

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage : Keep containers tightly closed. To maintain product quality, areas and containers keep away from heat and direct sunlight.

Information for combined : Not required.  
storage

Further information on : Keep away from heat and direct sunlight.  
storage conditions

### 7.3. Specific end use(s)

Specific use(s): Disinfectant for medical devices, surfaces, and equipment.

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## 8. Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure : The product does not contain any relevant quantities of limits materials with critical values that must be monitored at the workplace.

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

### 8.2. Exposure controls

#### Personal protective equipment (as defined in Regulation (EU) 2020/878)

|                                               |                                                                                         |
|-----------------------------------------------|-----------------------------------------------------------------------------------------|
| General protective and :<br>hygienic measures | The general rules and precautionary measures for handling chemicals should be observed. |
| Eye/face protection:                          | Not required.                                                                           |
| Skin protection:                              | Not required.                                                                           |
| Respiratory protection:                       | Not required.                                                                           |
| Thermal hazards:                              | Not applicable.                                                                         |

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## 9. Physical and chemical properties

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

|                      |                                     |
|----------------------|-------------------------------------|
| Physical state:      | liquid                              |
| Colour:              | colourless                          |
| Odour:               | odourless                           |
| Melting point/range: | approx. 0 °C                        |
| Boiling point/range: | approx. 100 °C                      |
| Flammability:        | no data available                   |
| Explosion limits:    | not explosive                       |
| Flash point:         | no data available                   |
| pH:                  | 7.0 – 8.5 (2,6 mg/g; 20 °C)         |
| Kinematic viscosity: | approx. 23 mPa.s. (20 °C)           |
| Solubility:          | completely soluble in water (20 °C) |

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|                          |                                 |
|--------------------------|---------------------------------|
| Vapor pressure:          | no data available               |
| Density:                 | ca. 1 g/cm <sup>3</sup> (20 °C) |
| Relative vapour density: | no data available               |

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## 10. Stability and reactivity

### 10.1. Reactivity

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.2. Chemical stability

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

No decomposition if used according to specifications.

### 10.5. Incompatible materials

No incompatible materials known.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

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## 11. Toxicological information

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

|                  |                              |
|------------------|------------------------------|
| Skin irritation: | No irritant effect.          |
| Eye irritation:  | No irritant effect.          |
| Sensitization:   | No sensitizing effect known. |

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### 11.2. Information on other hazards

The product is not subject to classification according to the calculation methods of the „General Classification Guideline for preparations of the EC” as issued in the last version. Based on our knowledge and on the information provided to us the product causes no harmful effects when handled and used properly.

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## 12. Ecological information

### 12.1. Toxicity

Toxicity to fish: No data available.

### 12.2. Persistence and degradability

Biodegradability: No data available.

### 12.3. Bioaccumulative potential

Bioaccumulation: No data available.

### 12.4. Mobility in soil

Behavior in environmental compartments: No data available.

### 12.5. Results of PBT and vPvB assessment

Assessment: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

### 12.6. Other adverse effects

Additional advice: No data available.

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## 13. Disposal considerations

### 13.1. Waste treatment methods

Product: Smaller quantities can be disposed of with household waste.

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Contaminated packaging:

P501 Partially empty or empty container/packaging should be rinsed with water and can be disposed of together with household waste or brought to a recycling collection point.

Recommended cleaning agent: Water, if necessary with the addition of detergent.

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### 14. Transport information

IATA/IMDG/ADR/RID/DOT/TDG

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class

Not applicable.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

No.

#### 14.6. Special precautions for the user

None.

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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### 15. Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 2020/878.

##### National legislation

No additional information available.

##### Classification according to industrial safety and health regulations

Fermacidal D2 is not liable to classification according to the GHS.

#### 15.2. Chemical safety assessment

Not required.

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### 16. Other information

Data sources:

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Changes in this new version were only based on updating the Material Safety Data Sheet to Regulation (EU) 2015/830.

| Full text of H- and EUH-statements: |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Acute Tox. 4                        | Acute toxicity, Category 4                                        |
| H302                                | Harmful if swallowed                                              |
| Skin Corr. 1B                       | Skin Corrosion/irritation, Category 1B                            |
| H314                                | Causes severe skin burns and eye damage                           |
| Eye Dam. 1                          | Eye Damage, Category 1                                            |
| H318                                | Causes serious eye damage                                         |
| Aquatic Acute 1                     | Hazardous to the aquatic environment — Acute Hazard, Category 1   |
| H400                                | Very toxic to aquatic life                                        |
| Aquatic Chronic 1                   | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| H410                                | Very toxic to aquatic life with long lasting effects              |

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### Revisions

#### Revision 01

25.01.2019 Section 3: active ingredient and its classification were updated to conform with Commission Regulation (EU) 2015/830 (previous version date: 01.01.2017).  
Section 16: added full text of H-Statements and R-Phrases of active ingredient classification.

#### Revision 02

23.10.2023 Updated based on Regulation (EU) 2020/878.

The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication, however they are no assurance of product properties and do not justify a contractual legal relationship. This version replaces all previous versions. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information cannot be transferred to other products. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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