

**Safety Data Sheet**  
**according to Regulation (EC) No.**  
**1907/2006 (REACH)**

**eimermacher** since 1910



**Trade name :** eimü Hygiene Dip & Spray  
**Revision date :** 06.03.2023  
**Print date :** 04.12.2024

**Version (Revision) :** 3.0.0 (2.0.0)

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

**1.1 Product identifier**

eimü Hygiene Dip & Spray  
Product category : PP-BIO-3 - Biocidal products for veterinary hygiene

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

Teat disinfection (Post-milking), ready to use with PVP-I

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

**Supplier**

Ferdinand Eimermacher GmbH & Co. KG

**Street :** Westring 24

**Postal code/City :** 48356 Nordwalde

**Country :** Deutschland

**Telephone :** +49 2573/9390-0

**Telefax :** +49 2573/2053

**Information contact :** info@eimermacher.de  
www.eimermacher.de

**1.4 Emergency telephone number**

Germany: Poisons Information Centre Berlin  
Charité – Universitätsmedizin Berlin  
Campus Benjamin Franklin  
Haus VIII, UG  
Hindenburgdamm 30  
D-12203 Berlin  
+49(0)30/30686 700, Internat. INFOTRAC +1 3523233500

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

The hazardous substance labelling corresponds to the approval data of the Meta-SPC 5 of the iodine family of 05.08.2022.

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

**2.2 Label elements**

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

**Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of the reach of children.

P103 Read label before use.

P101 If medical advice is needed, have product container or label at hand.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local and national legislation.

**2.3 Other hazards**

**Adverse human health effects and symptoms**

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This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

### Adverse environmental effects

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

2-Pyrrolidinone, 1-ethenyl-, homopolymer, compd. with iodine ; EC No. : 607-771-8; CAS No. : 25655-41-8

Weight fraction :  $\geq 2,5 - < 3 \%$

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Aquatic Chronic 2 ; H411

#### Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice. Remove contaminated, saturated clothing immediately.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Subsequently wash off with: Water and soap In case of skin reactions, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### Following ingestion

Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect). Seek medical advice immediately (poison centre).

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

Irritation of the stomach lining or gastrointestinal tract, nausea, vomiting.

#### Symptoms

Important or further important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11 (Toxicological information). (Further) symptoms and/or effects are not yet known.

In our experience, no special hazards are to be expected if the product is handled properly and is used as intended.

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

treatment: Symptoms (decontamination, vital functions), no known specific antidote.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

#### Suitable extinguishing media

Foam , Extinguishing powder , Carbon dioxide (CO<sub>2</sub>) , Sand

#### Unsuitable extinguishing media

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Full water jet

**5.2 Special hazards arising from the substance or mixture**

Thermal decomposition can lead to the escape of irritating gases and vapours.

**5.3 Advice for firefighters**

**Special protective equipment for firefighters**

Full protection suit , Use suitable breathing apparatus.

**5.4 Additional information**

Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6: Accidental release measures**

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

Use personal protection equipment. See protective measures under point 7 and 8. Special danger of slipping by leaking/spilling product.

**6.2 Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**6.3 Methods and material for containment and cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clear contaminated areas thoroughly.

**6.4 Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

All work processes must always be designed so that the following is excluded: Skin contact Eye contact Inhalation of vapours or spray/mists

Use made-up preparation without delay - do not store. Put lids on containers immediately after use. Use only in well-ventilated areas.

**Protective measures**

**Measures to prevent fire**

Usual measures for fire prevention. Always close containers tightly after the removal of product.

**7.2 Conditions for safe storage, including any incompatibilities**

Keep locked up and out of reach of children. Keep container tightly closed in a cool, well-ventilated place.

Protect against UV-radiation/sunlight , Heat. , Frost

**Requirements for storage rooms and vessels**

Floors should be impervious, resistant to liquids and easy to clean. Keep/Store only in original container. Keep container tightly closed.

**Hints on joint storage**

**Storage class (TRGS 510) :** 12

**7.3 Specific end use(s)**

Observe instructions for use. see section 1.2

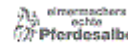
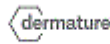
**SECTION 8: Exposure controls/personal protection**

Use personal protection equipment.

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## 8.1 Control parameters

### Occupational exposure limit values

GLYCEROL ; CAS No. : 56-81-5

Limit value type (country of origin) : TRGS 900 ( D )  
Parameter : E: inhalable fraction  
Limit value : 200 mg/m<sup>3</sup>  
Peak limitation : 2(I)  
Version : 27.10.2020

## 8.2 Exposure controls

Immediately remove any contaminated clothing, shoes or stockings. Wash hands before breaks and after work. Provide adequate ventilation.

### Personal protection equipment

#### Eye/face protection



Eye glasses with side protection EN 166

#### Skin protection

##### Hand protection



EN ISO 374

**By short-term hand contact :** Suitable gloves type Disposable gloves. NBR (Nitrile rubber)

**By long-term hand contact :** Check leak tightness/impermeability prior to use.

**Suitable material :** CR (polychloroprene, chloroprene rubber) , NBR (Nitrile rubber) , Butyl caoutchouc (butyl rubber)

**Required properties :** When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. EN ISO 374

**Breakthrough time :** 480 min

**Thickness of the glove material :** 5 mm

**Remark :** Check leak tightness/impermeability prior to use. Breakthrough times and swelling properties of the material must be taken into consideration.

#### Body protection

Wear anti-static footwear and clothing

Protective clothing. EN 13034 Natural fibres (e.g. cotton) , heat-resistant synthetic fibres

Chemical resistant safety shoes DIN EN 13832-2

#### Respiratory protection

Usually no personal respiratory protection necessary.

#### General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**Appearance :** Liquid  
**Colour :** brown  
**Odour :** characteristic

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## Safety characteristics

Physical state :		Liquid	
Melting point/freezing point :		not relevant	
Initial boiling point and boiling range :	( 1013 hPa )	approx.	100 °C
Decomposition temperature :		not determined	
Flash point :		not applicable	
Auto-ignition temperature :		not applicable	
Lower explosion limit :		not applicable	
Upper explosion limit :		not applicable	
Vapour pressure :	( 50 °C )	not applicable	
Density :	( 20 °C )	0,96 - 1,06	g/cm <sup>3</sup>
Solvent separation test :	( 20 °C )	not applicable	
Water solubility :	( 20 °C )	100	Weight-%
Fat solubility :	( 20 °C )	Not determined.	
pH :		2 - 2,5	
log P O/W :		not determined	
Flow time :	( 20 °C )	not applicable	DIN-cup 4 mm
Viscosity :	( 20 °C )	not determined	
Cinematic viscosity :	( 40 °C )	not relevant	
Odour threshold :		not determined	
Relative vapour density :	( 20 °C )	not determined	
Vapourisation rate :		not determined	
Maximum VOC content (EC) :		0	Weight-%
Flammable solids :	Not applicable.		
Flammable gases :	Not applicable.		
Oxidising liquids :	Not relevant.		
Explosive properties :	Not applicable.		
Corrosive to metals :	Not relevant.		

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

See section 7 of the safety data sheet.

### 10.5 Incompatible materials

Oxidising agent, strong.

### 10.6 Hazardous decomposition products

Iodine

## SECTION 11: Toxicological information

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

#### Acute toxicity

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

**Additional information**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

**Corrosion**

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

**Respiratory or skin sensitisation**

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

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

**Carcinogenicity**

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

**Germ cell mutagenicity**

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.

**11.2 Information on other hazards**

Endocrine disrupting potential:

The product does not contain any substance above the legal limits that is included in the list established under Article 59(1) of Regulation (EC) No 1907/2006 on the basis of endocrine disrupting properties or that has endocrine disrupting or endocrine damaging properties according to Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

Other indications of toxicity

The product has not been tested. The statements on toxicology were derived from the properties of the individual components.

**SECTION 12: Ecological information**

**12.1 Toxicity**

The product has not been tested. The statement is derived from the properties of the single components.

**Aquatic toxicity**

Harmful to aquatic life with long lasting effects.

**12.2 Persistence and degradability**

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

This product does not contain components in concentrations of 0.1% or higher which are classified as either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6 Endocrine disrupting properties**

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## 12.7 Other adverse effects

The product does not contain any substances listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

## 12.8 Additional ecotoxicological information

### Additional information

Do not allow uncontrolled discharge of product into the environment.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose according to legislation.

### 13.2 Additional information

Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number or ID number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

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

No transport as bulk according to IBC Code.

## SECTION 15: Regulatory information

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

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use

##### Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3

##### National regulations

Biocide directive ((EU) No. 528/2012)

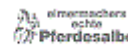
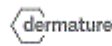
##### Water hazard class

Self-classification - Class : 2 (Obviously hazardous to water)

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### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for this preparation. For the following substances of this mixture/preparation a chemical safety assessment has been carried out :

None

## SECTION 16: Other information

### 16.1 Indication of changes

07. Hints on joint storage - Storage class · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

### 16.2 Abbreviations and acronyms

ADR = European Agreement concerning the carriage of Dangerous goods by Road  
ADN = European Agreement concerning the Carriage of Dangerous Goods by Inland Waterways  
ATE = Estimated values for acute toxicity  
AwSV = Ordinance on Installations for Handling Substances Hazardous to Water  
CAS = Chemical Abstract Service Number  
CE = European Community  
CLP = EC Regulation 1272/2008  
CMR = cancerogen mutagen reprotoxic  
DIN = German Institute for Standardisation  
DNEL = Derived No Effect Level  
DMEL = Derived Minimum Effect Level  
EC50 = Mean effective concentration that induces a defined effect other than death in a test population  
EG = European Community  
EN = European standards  
IATA = International Air Transport Association Dangerous Goods Regulation  
IBC-Code = International Code for the construction and equipment of ships carrying dangerous chemicals in large quantities  
IMDG = International Maritime Code for dangerous goods  
ISO = International Organization for Standardization  
LC50 = Lethal Concentration 50%  
LD50 = Lethal dose 50%  
MAK = Maximum workplace concentration  
MARPOL = International Convention for the Protection of the Marine Environment from Ship-generated Litter  
NOEC = No Observed Effect Concentration  
OECD = Organisation for Economic Cooperation and Development  
PBT = Persistent, bioaccumulative and toxic  
pH = potential of hydrogen  
PNEC = Predicted no effect concentration  
PPM = parts per million  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (EC Regulation 1907/2006)  
RID = Regulation concerning the international transport of dangerous goods by train  
TRGS = Technical rules for hazardous substances (german rules)  
TWA = Time-weighted average exposure limit  
UN-Number = UN number for the transport of dangerous goods  
vPvB = Very Persistent and very Bioaccumulative as for REACH Regulation  
VOC = Volatile organic Compounds

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

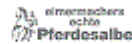
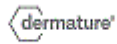
The hazardous substance labelling corresponds to the approval data of the iodine family meta-SPC of 05.08.2022.

### 16.5 Relevant H- and EUH-phrases (Number and full text)



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H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

**16.6 Training advice**

None

**16.7 Additional information**

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.