GB

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

Version number 12 (replaces version 11)

Revision: 13.06.2023

#### · 1.1 Product identifier

Printing date 13.06.2023

- · Trade name: <u>PuraDES PentaCID KONZ</u>
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Life cycle stages PW Widespread use by professional workers
- · Sector of Use
- SU20 Health services

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen) • **Product category** PC8 Biocidal products

- Technical function Biocide
- · Application of the substance / the mixture Surface disinfectant

· 1.3 Details of the supplier of the safety data sheet

• Manufacturer/Supplier: PRISMAN GmbH Otto-Hahn-Ring 6-18 D-64653 Lorsch Germany

• Further information obtainable from: Tel. 71 33 45 200, kruse@kruse.pl

• 1.4 Emergency telephone number:

71 33 45 200 (podczas godzin urzędowania firmy Henry Kruse w dni robocze) 998 Państwowa Straż Pożarna

# **SECTION 2: Hazards identification**

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

· Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4	H302 Harmful if swallowed.
Skin Corr. 1A	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
Aquatic Chronic 1	H410 Very toxic to aquatic life with long lasting effects.

#### · 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

*The product is classified and labelled according to the GB CLP regulation. • Hazard pictograms* 



#### · Signal word Danger

· Hazard-determini didecyldimethylam	<b>ng components of labelling:</b> amonium chloride
N-(3-aminopropyl	)-N-dodecylpropane-1,3-diamine
Alcohols, C12-18,	ethoxylated
· Hazard statement	S .
H302 Harmful if s	wallowed.
H314 Causes seve	re skin burns and eye damage.
H410 Very toxic to	aquatic life with long lasting effects.
· Precautionary stat	tements
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection.
<i>P303+P361+P35</i> .	3 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P336	8 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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- · 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

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 7173-51-5	didecyldimethylammonium chloride	10-25%
EINECS: 230-525-2	Skin Corr. 1B, H314	
Index number: 612-131-00-6	Aquatic Chronic 2, H411	
Reg.nr.: 01-2119457558-25-XXXX	<b>Acute Tox.</b> 4, H302	
CAS: 2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	2.5-10%
EINECS: 219-145-8		
Reg.nr.: 01-2119980592-29-xxxx	🚯 STOT RE 2, H373	
	🚯 Skin Corr. 1A, H314	
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	
CAS: 68213-23-0	Alcohols, C12-18, ethoxylated	2.5-10%
	🤣 Eye Dam. 1, H318	
· Additional information · For the w	ording of the listed hazard phrases refer to section 16	

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

#### **SECTION 4: First aid measures**

• 4.1 Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

Keep quiet and cover.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

• *After inhalation:* Supply fresh air.

Seek medical treatment in case of complaints.

- After skin contact:
- Immediately rinse with water.

If skin irritation continues, consult a doctor.

• After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

- Protect unharmed eye.
- After swallowing:
- Call for a doctor immediately.

Drink plenty of water and provide fresh air. Call for a doctor immediately.

Do not induce vomiting; call for medical help immediately.

- 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:

Use fire extinguishing methods suitable to surrounding conditions.

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<ul> <li>CO2, powder or water spray. Fight larger fires with water spray.</li> <li>S.2 Special hazards arising from the substance or mixture During heating or in case of fire poisonous gases are produced. In case of fire, the following can be released: Carbon monoxide (CO) Under certain fire conditions, traces of other toxic gases cannot be excluded.</li> <li>S.3 Advice for firefighters Protective equipment: Do not inhale explosion gases or combustion gases. Mouth respiratory protective device.</li> <li>SECTION 6: Accidental release measures </li> <li>6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Particular danger of slipping on leaked/spilled product. Ensure adequate ventilation Use respiratory protective device against the effects of fumes/dust/aerosol.</li> <li>6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water. Dilute with plenty of water. </li> <li>6.3 Methods and material for containment and cleaning up: Dispose of the material collected according to regulations. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). </li> <li>6.4 Reference to other sections See Section 7 for information on safe handling. </li> </ul>			(Contd. of page
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See Section 13 for disposal information.

### **SECTION 7: Handling and storage**

- 7.1 Precautions for safe handling Keep receptacles tightly sealed.
   Store in cool, dry place in tightly closed receptacles.
   Restrict the quantity stored at the work place.
   Information chart fine, and explosion pactedian.
- *Information about fire and explosion protection:* No special measures required. The product is not flammable.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:

\*

- *Requirements to be met by storerooms and receptacles:* Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions:
- Keep container tightly sealed.
- Store in upright position.
- 7.3 Specific end use(s) No further relevant information available.

# SECTION 8: Exposure controls/personal protection

- · 8.1 Control parameters
- · Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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according to 1907/2006/EC, Article 31

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(Contd. of page 3) · Ingredients with biological limit values: · Additional Occupational Exposure Limit Values for possible hazards during processing: None · Additional information: The lists valid during the making were used as basis. · 8.2 Exposure controls · Appropriate engineering controls No further data; see item 7. · Individual protection measures, such as personal protective equipment • General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin. The usual precautionary measures are to be adhered to when handling chemicals. · Respiratory protection: Not required. Use suitable respiratory protective device only when aerosol or mist is formed. · Hand protection Protective gloves The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation • Material of gloves 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. 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. For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable: Rubber gloves • For the permanent contact gloves made of the following materials are suitable: Neoprene gloves • As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR Fluorocarbon rubber (Viton) · Body protection: Long-sleeved work clothing (EN 368). · Thermal hazards Not applicable **SECTION 9: Physical and chemical properties** 

· General Information		
· Physical state	Fluid	
· Colour:	Different according to colouring	
· Odour:	Amine-like	
· Odour threshold:	Not determined.	
• Melting point/freezing point:	Undetermined.	
· Boiling point or initial boiling point and	d boiling	
range	100 °C	
· Flammability	Not applicable.	
Lower and upper explosion limit		
· Lower:	Not applicable	
	(0	1

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Upper:	Not applicable
Flash point:	>100 °C
	Not applicable.
Decomposition temperature:	Not determined.
pH at 20 °C	>11
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	1101 acter milica.
water:	Fully miscible.
	Not determined.
Partition coefficient n-octanol/water (log value)	23 hPa
Vapour pressure at 20 °C:	25 nFu
Density and/or relative density	
Density at 20 °C:	$1.01 \text{ g/cm}^3$
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Appearance:	
Form:	Fluid
Important information on protection of health an	
environment, and on safety.	
Auto-ignition temperature:	Product is not selfigniting.
	Product los not segigming. Product does not present an explosion hazard.
Explosive properties: Solvent content:	Froduci does noi present an explosion nazara.
	> 70.0/
Water:	> 70 %
VOC (EC)	0 %
Change in condition	
Softening point/range	Not applicable
Evaporation rate	Not determined.
Information with regard to physical hazard class	205
Explosives	Void
Lapiosives	Void
Flammable gases	Void
Flammable gases	
, <b>,</b>	Void
Aerosols	Void
	Void
Oxidising gases	Void
	Void
Gases under pressure	Void
-	Void
Flammable liquids	Void
····· <b>· ·</b> ·····	Void
Flammable solids	Void
z ummull souns	Void
Salf reacting substances and winderes	Void
Self-reactive substances and mixtures	
D 1 1 1 1	Void
Pyrophoric liquids	Void
	Void
Pyrophoric solids	Void
	Void
Self-heating substances and mixtures	Void
<i>o</i> G	Void
Substances and mixtures, which emit flammable	
gases in contact with water	Void
Succo in connect man match	Void
	(Contd. on page

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		(Contd. of page 5)
· Oxidising liquids	Void	
	Void	
· Oxidising solids	Void	
0	Void	
· Organic peroxides	Void	
	Void	
· Corrosive to metals	Void	
	Void	
· Desensitised explosives	Void	
*	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 Exothermic reaction with acids.
- 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 Harmful if swallowed.*
- · LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)

Oral LD50 560 mg/kg

#### 7173-51-5 didecyldimethylammonium chloride

Oral LD50 411 mg/kg (rat)

 $Dermal \ LD50 \ >2,000 \ mg/kg \ (rat)$ 

2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Oral LD50 100 mg/kg (ATE)

· Skin corrosion/irritation Causes severe skin burns and eye damage.

- · Serious eye damage/irritation Causes serious eye damage.
- Additional toxicological information:

• Sensitisation Not applicable

- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) Not applicable
- 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

# SECTION 12: Ecological information

· 12.1 Toxicity

• Aquatic toxicity:

7173-51-5 didecyld	imethylammonium	chloride
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EC50 mg/kg (rat)

2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

EC50 0.01-0.1 mg/l (A)

(Contd. on page 7)

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Printing date 13.06.2023

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Version number 12 (replaces version 11)

Revision: 13.06.2023

# Trade name: PuraDES PentaCID KONZ

<ul> <li>12.3 Bioaccumulative potential No further relevant information available.</li> <li>12.4 Mobility in soil No further relevant information available.</li> <li>12.5 Results of PBT and vPvB assessment         PBT: Not applicable.         VPB: Not applicable.         12.6 Endocrine disrupting properties         The product does not contain substances with endocrine disrupting properties.         12.7 Other adverse effects         Additional ecological information:         General notes:         Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water         Do not allow product to reach ground water, water course or sewage system.         Must not reach sewage water or drainage ditch undiluted or unneutralised.         Danger to drinking water if even small quantities leak into the ground.         Also poisonous for fish and plankton in water bodies.         Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A.         II-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.     </li> </ul> SECTION 13: Disposal considerationts SECTION 14: Transport information Must not be disposed together with household garbage. Do not allow product to reach sewage system. Uncleaned packaging: Recommendation: Disposal must be made according to official regulations. SECTION 14: Transport information 14.1 UN number on ID number ADR 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Note: NOT, LIQUID, CORROSIVE, N.O.S. (Note:	IX mg/I (Bel)	(Contd. of pag
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12.2 Persistence and degradability No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.4 Mobility in soil No further relevant information available.         12.5 Charter adverse of Parane Regulation in available.         12.6 Endocrine disrupting properties.         12.7 Other adverse effects         Additional ecological information:         General notes:         Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water         Do not allow product to reach sewage water or drainage dich undiluted or unneutralised.         Danger to drinking water if even small quantities leak into the ground.         Also poisonous for fish and plankton in water bodies.         Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A if the relevant methods         Recommendation         Must not be disposed together wi		
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aminopropyl)-N-dodecylpropane-1,3-diami	<ul> <li>13.1 Waste treatment methods</li> <li>Recommendation Must not be disposed together with hous</li> <li>Uncleaned packaging:</li> <li>Recommendation: Disposal must be ma</li> </ul> SECTION 14: Transport information: <ul> <li>14.1 UN number or ID number</li> <li>ADR, IMDG, IATA</li> <li>14.2 UN proper shipping name</li> <li>ADR</li> </ul>	sehold garbage. Do not allow product to reach sewage system. Ide according to official regulations. ation UN1903 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamin didecyldimethylammonium chloride ENVIRONMENTALLY HAZARDOUS DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N- aminopropyl)-N-dodecylpropane-1,3-diamin didecyldimethylammonium chloride), MARII
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Revision: 13.06.2023

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	(Contd. of pag
14.3 Transport hazard class(es)	
ADR, IMDG	
Class	8 Corrosive substances.
Label	8
IATA	
Class	8 Corrosive substances.
Label	8
14.4 Packing group ADR, IMDG, IATA	III
14.5 Environmental hazards: Marine pollutant:	Product contains environmentally hazardous substance N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine No
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user	Warning: Corrosive substances.
Hazard identification number (Kemler code):	80
EMS Number:	F-A,S-B
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Excepted quantities (EQ)	Code: El
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LQ)	5L Cada: E2
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 50 ml Maximum net quantity per outer packaging: 500 ml

# **SECTION 15: Regulatory information**

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

• Labelling according to Regulation (EC) No 1272/2008 GHS label elements

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms



(Contd. on page 9)

<sup>-</sup> GB

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Signal word	d Danger (Contd. of page 8)
0	
	<b>ermining components of labelling:</b> ethylammonium chloride
	propyl)-N-dodecylpropane-1,3-diamine
	12-18, ethoxylated
Hazard stat	
-	iful if swallowed.
	es severe skin burns and eye damage.
	toxic to aquatic life with long lasting effects.
	ary statements
P273	Avoid release to the environment.
P280	Wear protective gloves / eye protection.
P303+P361	1+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P35	1+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
15 2 Chemi	ical safety assessment: A Chemical Safety Assessment has not been carried out.
SECTIO	N 16: Other information
	ation is based on our present knowledge. However, this shall not constitute a guarantee for any duct features and shall not establish a legally valid contractual relationship.
Relevant ph	
	if swallowed.
	iful if swallowed.
	in contact with skin.
	es severe skin burns and eye damage.
	es serious eye damage.
	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.

· Recommended restriction of use Product only for professional use

#### • Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

*PBT: Persistent, Bioaccumulative and Toxic* 

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 3: Acute toxicity - Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1* 

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard - Category 1

(Contd. on page 10)

<sup>·</sup>G

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

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Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 • \* **Data compared to the previous version altered.**  (Contd. of page 9)

GB