

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

- **1.1 Product identifier**
- **Trade name:** PuraDES HeptaCID KONZ
- **UFI:** VPK2-APX5-D008-2S99
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **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
64653 Lorsch
info@prisman.de
www.prisman.de
- **Further information obtainable from:**
Abteilung Produktsicherheit
Alexander.Metz@prisman.de
info@prisman.de
- **1.4 Emergency telephone number:** ++49 (0) 6251 866 980 - 0, Mo-Fr 9-17 Uhr

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 Acute 1 H400 Very toxic to aquatic life.
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 CLP regulation.
- **Hazard pictograms**



GHS05 GHS07 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
1-aminopropan-2-ol
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
didecyldimethylammonium chloride
Alcohols, C12-18, ethoxylated
- **Hazard statements**
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 1)

P303+P361+P353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P341 **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+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.**

· **Labelling of packages where the contents do not exceed 125 ml**

· **Hazard pictograms**



GHS05 GHS07 GHS09

· **Signal word** *Danger*

· **Hazard-determining components of labelling:**

1-aminopropan-2-ol

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

didecyltrimethylammonium chloride

Alcohols, C12-18, ethoxylated

· **Hazard statements**

H314 Causes severe skin burns and eye damage.

· **Precautionary statements**

P273 *Avoid release to the environment.*

P280 *Wear protective gloves / eye protection.*

P301+P330+P331 **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 **IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304+P341 **IF INHALED:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+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.**

· **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: 78-96-6 EINECS: 201-162-7 Index number: 603-082-00-1 RTECS: UA 5775000 Reg.nr.: 01-2119475331-43-0000	<i>1-aminopropan-2-ol</i> <i>Skin Corr. 1B, H314</i>	10-25%
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(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31









Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 2)

CAS: 7173-51-5 EINECS: 230-525-2 Index number: 612-131-00-6 Reg.nr.: 01-2119457558-25-XXXX	didecyldimethylammonium chloride  Skin Corr. 1B, H314  Aquatic Chronic 2, H411  Acute Tox. 4, H302	10-25%
CAS: 2372-82-9 EINECS: 219-145-8 Reg.nr.: 01-2119980592-29-xxxx	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine  Acute Tox. 3, H301; Acute Tox. 3, H311  STOT RE 2, H373  Skin Corr. 1A, H314  Aquatic Chronic 1, H410	2.5-10%
CAS: 68213-23-0	Alcohols, C12-18, ethoxylated  Eye Dam. 1, H318	2.5-10%

· **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:

Take affected persons out into the fresh air.

Position and transport stably in side position.

Immediately remove any clothing soiled by the product.

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

· After inhalation:

Seek medical treatment in case of complaints.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

If skin irritation continues, consult a doctor.

Immediately wash with water and soap and rinse thoroughly.

· After eye contact:

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

· After swallowing:

Call for a doctor immediately.

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

· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

· 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Particular danger of slipping on leaked/spilled product.

Ensure adequate ventilation

Keep people at a distance and stay on the windward side.

(Contd. on page 4)

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

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: **PuraDES HeptaCID KONZ**

(Contd. of page 3)

*Wear protective clothing.**Wear protective equipment. Keep unprotected persons away.***· 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.**Dilute with plenty of water.**Do not allow to enter sewers/ surface or ground water.***· 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Use neutralising agent.**Dispose contaminated material as waste according to section 13.**Ensure adequate ventilation.***· 6.4 Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**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.***· Information about fire - and explosion protection:** *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:** *Not required.***· Further information about storage conditions:***Store in upright position.**Protect from frost.**Keep container tightly sealed.***· Storage class:** *LGK 8 B***· 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.***· Additional information:** *The lists valid during the making were used as basis.***· 8.2 Exposure controls****· Appropriate engineering controls** *No further data; see section 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.***· Respiratory protection:** *Not required.*

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: **PuraDES HeptaCID KONZ**

(Contd. of page 4)

· Hand protection



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Geeignet sind Handschuhe aus folgenden Materialien:

Nitrilkautschuk/Nitrillatex - NBR (0,35 mm): Durchbruchzeit > 4h

Polychloropren - CR (0,5 mm): Durchbruchzeit > 4 h

Polyvinylchlorid - PVC (0,5 mm): Durchbruchzeit > 4 h

Butylkautschuk - Butyl (0,5 mm): Durchbruchzeit > 8 h

Fluorkautschuk - FKM (0,4 mm): Durchbruchzeit > 8 h

· 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:

Butyl rubber, BR

Fluorocarbon rubber (Viton)

· Eye/face protection



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Fluid

· Colour:

According to product specification

· Odour:

Amine-like

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

100 °C

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

Not applicable

· Upper:

Not applicable

· Flash point:

>100 °C

· Decomposition temperature:

Not determined.

(Contd. on page 6)

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

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 5)

· pH at 20 °C	>11
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density and/or relative density	
· Density at 20 °C:	1.01 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Water:	58.0 %
· VOC (EC)	0 %
· Change in condition	
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	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.

(Contd. on page 7)

UL

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

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 6)

- **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	469 mg/kg
Dermal	LD50	11,714 mg/kg (rabbit)

78-96-6 1-aminopropan-2-ol

Oral	LD50	2,813 mg/kg (rat)
Dermal	LD50	1,600 mg/kg (rabbit)
Inhalative	LC50/4 h	>3,960.71 mg/l (rat)

7173-51-5 didecyldimethylammonium chloride

Oral	LD50	238 mg/kg (rat)
Dermal	LD50	3,342 mg/kg (rat)

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

Oral	LD50	261 mg/kg (rat)
Dermal	LD50	>600 mg/kg (rat)

- **Skin corrosion/irritation** Causes severe skin burns and eye damage.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** 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 properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

78-96-6 1-aminopropan-2-ol

EC50	>261 mg/l (Bel)
	108.82 mg/l (W)
LC50/96h	340 mg/l (fish)

7173-51-5 didecyldimethylammonium chloride

EC50	mg/kg (rat)
EC50	0.062 mg/l (daphnia)

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 7)

LC50/96h	0.19 mg/l (fish)
2372-82-9 N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	
EC50	0.01-0.1 mg/l (A) 18 mg/l (Bel) 0.073 mg/l (daphnia)
LC50/96h	0.68 mg/l (fish)

- **12.2 Persistence and degradability** No further relevant information available.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

- **12.7 Other adverse effects**

- **Remark:** Very toxic for fish

- **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.

Very toxic for aquatic organisms

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 01*	aqueous washing liquids and mother liquors

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

UN1903

- **14.2 UN proper shipping name**

- **ADR**

1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine,

(Contd. on page 9)

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



Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: **PuraDES HeptaCID KONZ**

(Contd. of page 8)

· IMDG	didecyldimethylammonium chloride), ENVIRONMENTALLY HAZARDOUS
· IATA	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, didecyldimethylammonium chloride), MARINE POLLUTANT
· 14.3 Transport hazard class(es)	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, didecyldimethylammonium chloride)
· ADR, IMDG	
	
· Class	8 Corrosive substances.
· Label	8
· IATA	
	
· Class	8 Corrosive substances.
· Label	8
· 14.4 Packing group	
· ADR, IMDG, IATA	II
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
· Marine pollutant:	No
· 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 IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Excepted quantities (EQ):	E1
· Limited quantities (LQ)	1L
	-
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 1000 ml
· Transport category	2
· Tunnel restriction code	E

(Contd. on page 10)

UL

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: **PuraDES HeptaCID KONZ**

(Contd. of page 9)

<ul style="list-style-type: none"> · Remarks: 	<p><i>Begrenzte Menge: Flaschen: Maximal 30kg je Versandstück (Umkarton), "Raute mit schwarzen Ecken-Etikett" auf Umkarton aufbringen</i></p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p><i>IL Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml</i></p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p><i>UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (N-(3-AMINOPROPYL)-N-DODECYLPROPANE-1,3-DIAMINE, DIDECYLDIMETHYLAMMONIUM CHLORIDE), 8, II, ENVIRONMENTALLY HAZARDOUS</i></p>

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 CLP regulation.
- **Hazard pictograms**



GHS05 GHS07 GHS09

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
*1-aminopropan-2-ol
N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
didecyldimethylammonium chloride
Alcohols, C12-18, ethoxylated*
- **Hazard statements**
*H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.*
- **Precautionary statements**
*P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+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.*

(Contd. on page 11)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2024

Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 10)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· Regulation (EU) No 649/2012		
7173-51-5	didecyldimethylammonium chloride	Annex I Part I

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS
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None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- **National regulations:**

- **Other regulations, limitations and prohibitive regulations**

- Zolltarifnummer: 3808 94 90

- Kennzeichnung gemäß VO 648/2004/EG:

- < 5 % nichtionische Tenside

- 5-15% kationische Tenside

- Duftstoffe

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H301 Toxic if swallowed.

- H302 Harmful if swallowed.

- H311 Toxic in contact with skin.

- H314 Causes severe skin burns and eye damage.

- H318 Causes serious eye damage.

- H373 May cause damage to organs through prolonged or repeated exposure.

- 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

- **Department issuing SDS:** Abteilung Produktsicherheit

- **Contact:** Hr. Dr. Metz

- **Version number of previous version:** 1

- **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)

(Contd. on page 12)

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

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Version number 2 (replaces version 1)

Revision: 12.03.2024

Trade name: PuraDES HeptaCID KONZ

(Contd. of page 11)

*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**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*

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