

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-ID plus+

Revision date: 08.09.2020

Product code: 20528

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

RHEOSEPT-ID plus+

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

Aldehyde-free instrument disinfectant with good cleaning effect.

1.3. Details of the supplier of the safety data sheet

Company name:	NW-Chemie GmbH	
Street:	Langbaughstr. 15	
Place:	D-53842 Troisdorf	
Telephone:	+49 2241-3923-0	Telefax: +49 2241-3923-90
e-mail:	info@rheosol.de	
Contact person:	Dr. Friedrichs (MSDS qualified person)	Telephone: +49 2241-3923-0
e-mail:	sicherheit@rheosol.de	
Internet:	www.rheosol.de	
Responsible Department:	Produktsicherheit	

1.4. Emergency telephone number: Giftnotruf Berlin (Germany): +49 30 30686 700**Further Information**

This safety data sheet replaces the former safety data sheet.
The affected sections are listed in section 16.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:
Acute toxicity: Acute Tox. 4
Skin corrosion/irritation: Skin Corr. 1B
Serious eye damage/eye irritation: Eye Dam. 1
Specific target organ toxicity - repeated exposure: STOT RE 2
Hazardous to the aquatic environment: Aquatic Acute 1
Hazardous to the aquatic environment: Aquatic Chronic 1
Hazard Statements:
Harmful if swallowed.
Causes severe skin burns and eye damage.
Causes serious eye damage.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
Didecyldimethylammonium chloride
Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched

Signal word: Danger

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Pictograms:



Hazard statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face 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.
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.
P321	Specific treatment (see information on this label).
P405	Store locked up.

Additional advice on labelling

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

2.3. Other hazards

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine			20 - < 25 %
	219-145-8		01-2119980592-29	
	Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, STOT RE 2, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 1); H301 H314 H318 H373 H400 H410			
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated			10 - < 15 %
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H319 H400 H410			
7173-51-5	Didecyltrimethylammonium chloride			5 - < 10 %
	230-525-2		01-2119945987-15	
	Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 2; H301 H314 H318 H400 H411			
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched			1 - < 5 %
	500-241-6			
	Acute Tox. 4, Eye Dam. 1; H302 H318			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			1 - < 5 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
112-34-5	2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether			1 - < 5 %
	203-961-6		01-2119475104-44	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Further Information

Note: The danger characteristics refer to the properties of the neat substances.

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Medical treatment necessary. In case of inhaling spray mist, consult a physician.

Provide fresh air.

After contact with skin

Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary. After contact with skin, wash immediately with plenty of water and soap. Do not wash off with acidic cleaning agents. In case of skin irritation, consult a physician.

After contact with eyes

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. 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.

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After ingestion

Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk. Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect).

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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

Treat symptomatically. Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.
Foam Water Carbon dioxide (CO₂)

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air. In case of fire may be liberated: Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. Use suitable breathing apparatus. Do not inhale explosion and combustion gases. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Consider conventional precautions for chemical handling. Wear gloves and eye protection.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Take up mechanically. Suitable material for taking up: Universal binder.

Treat the recovered material as prescribed in the section on waste disposal.

Wash with plenty of water.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

Disposal: see section 13

SECTION 7: Handling and storage

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7.1. Precautions for safe handling**Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray. When using do not eat, drink or smoke.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep container tightly closed in a cool, well-ventilated place.

Protect against:

UV-radiation/sunlight.

frost.

Unsuitable materials for Container: metal.

Hints on joint storage

Do not store together with:

Reducing agents.

Zinc.

iron.

amines.

Aluminium.

Acid.

Further information on storage conditions

Keep only in the original container.

Recommended storage temperature: 5-30°C

Storage class:

7.3. Specific end use(s)

No special handling advices are necessary.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
7173-51-5	Didecyldimethylammonium chloride		
Worker DNEL, long-term	inhalation	systemic	18,2 mg/m ³
Worker DNEL, long-term	dermal	systemic	8,6 mg/kg bw/day
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol		
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	500 mg/m ³
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	89 mg/m ³

PNEC values

CAS No	Substance	
Environmental compartment	Value	
7173-51-5	Didecyldimethylammonium chloride	
Freshwater	0,002 mg/l	
Freshwater (intermittent releases)	0,00029 mg/l	
Marine water	0,0002 mg/l	
Freshwater sediment	2,82 mg/kg	
Marine sediment	0,282 mg/kg	
Micro-organisms in sewage treatment plants (STP)	0,595 mg/l	
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	
Freshwater	140,9 mg/l	
Freshwater (intermittent releases)	140,9 mg/l	
Marine water	140,9 mg/l	
Freshwater sediment	552 mg/kg	
Marine sediment	552 mg/kg	
Secondary poisoning	160 mg/kg	
Micro-organisms in sewage treatment plants (STP)	2251 mg/l	
Soil	28 mg/kg	

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Avoid leakages in dosage systems

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. No special measures are necessary.

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Eye/face protection

Suitable eye protection: goggles. Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Mitten.

penetration time (maximum wearing period): 8 h

Suitable material:

NR (Natural rubber (Caoutchouc), Natural latex). 0,5 mm

CR (polychloroprenes, Chloroprene rubber). 0,5 mm

NBR (Nitrile rubber). 0,35 mm

FKM (fluororubber). 0,4 mm

PVC (Polyvinyl chloride). 0,5 mm

Before using check leak tightness / impermeability.

Skin protection

Protective apron.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: aerosol or mist formation

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	flüssig	
Colour:	clear, light yellow	
Odour:	technical	
pH-Value (at 20 °C):		10

Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	92 °C
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	not applicable
Flash point:	No data available
Sustaining combustion:	Not sustaining combustion

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not applicable

Auto-ignition temperature

Solid:	not applicable
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Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	
Not oxidizing.	
Vapour pressure: (at 20 °C)	23,37 hPa
Vapour pressure: (at 50 °C)	123,3 hPa
Density:	0,96 g/cm ³
Bulk density:	not applicable
Water solubility:	complete miscible
Solubility in other solvents	
not determined	
Partition coefficient:	not determined
Flow time:	No data available
Vapour density:	not determined
Evaporation rate:	not determined
9.2. Other information	
Solid content:	not determined

SECTION 10: Stability and reactivity**10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Do not mix with acids.

10.4. Conditions to avoid

Frost. Protect from sunlight.
Materials to avoid: Acid, concentrated.

10.5. Incompatible materials

Iron. Alloy, containing copper
Aluminium.
Acid.

10.6. Hazardous decomposition products

Contact with acids liberates toxic gas.

Further information

Keep cool. Protect from sunlight. Exothermic reactions with: Acid.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****ATEmix calculated**

ATE (oral) 813,0 mg/kg

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine				
	oral	LD50 261 mg/kg	Rat		OECD 401
	dermal	LD50 > 600 mg/kg	Rat		OECD 402
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated				
	oral	LD50 2000-5000 mg/kg	Rat		
7173-51-5	Didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat	OECD 401	
	dermal	LD50 3342 mg/kg	Rabbit		
69011-36-5	Poly(oxy-1,2-ethanediyl), alpha-tridecyl-omega-hydroxy-, branched				
	oral	ATE 500 mg/kg			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalation (4 h) vapour	LC50 30 mg/l			

Specific effects in experiment on an animal

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

Additional information on tests

There are no data available on the preparation/mixture itself.

Practical experience

Observations relevant to classification

There are no data available on the preparation/mixture itself.

Other observations

not known

Further information

To avoid risks to human health and the environment, comply with the instructions for use.

Avoid release to the environment. Refer to special instructions/Safety data sheets.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine					
	Acute fish toxicity	LC50 mg/l	0,68	96 h	Oncorhynchus mykiss	OECD 203
	Acute algae toxicity	ErC50 mg/l	0,054	96 h	Desmodesmus subspicatus	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,077	48 h	Daphnia magna	OECD 202
	Algae toxicity	NOEC mg/l	> 0,001 - 0,01	3 d	Selenastrum capricornutum	OECD 201
	Crustacea toxicity	NOEC mg/l	0,024	21 d	Daphnia magna	OECD 211
	Acute bacteria toxicity	(42,2 mg/l)		0,5 h		OECD 209
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated					
	Acute fish toxicity	LC50 mg/l	1,41	96 h	Danio rerio	OECD 203
	Acute algae toxicity	ErC50 mg/l	0,312	72 h	Raphidocelis subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,88	48 h	Daphnia magna	OECD 202
7173-51-5	Didecyldimethylammonium chloride					
	Acute fish toxicity	LC50 mg/l	0,19	96 h	Pimephales promelas	US-EPA
	Acute algae toxicity	ErC50 mg/l	0,026	96 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50 mg/l	0,062	48 h	Daphnia magna	EPA-FIFRA
	Fish toxicity	NOEC mg/l	0,032	34 d	Danio rerio	OECD 210
	Algae toxicity	NOEC mg/l	>0,01- 0,1	3 d	Pseudokirchneriella subcapitata	OECD 201
	Crustacea toxicity	NOEC mg/l	>0,01- 0,1	21 d	Daphnia	OECD 211
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 mg/l	>100	96 h	Leuciscus idus	
	Acute algae toxicity	ErC50 mg/l	>1000	72 h	Scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	13299	48 h	Daphnia magna	

12.2. Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

Readily biodegradable (according to OECD criteria). OECD 211

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CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine				
	Biological degradability		79 %	28	OECD 301 D
	Easily biodegradable.				
	OECD Confirmatory-Test		96	15	OECD 303 A
	Zahn-Wellens Test		91	28	OECD 301D
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated				
	OECD 301B		92,4%	28	
	Not readily biodegradable.				
7173-51-5	Didecyldimethylammonium chloride				
	Die-Away Test		93,3	28	
	OECD Confirmatory-Test		91	24	OECD 303 A
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Biological degradability		53 %	5	
	Readily biodegradable.				

12.3. Bioaccumulative potential

On the basis of existing data about the elimination/degradation and bioaccumulation potential longer term damage to the environment is unlikely.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
2372-82-9	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine	-0,7
7173-51-5	Didecyldimethylammonium chloride	<3
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05

BCF

CAS No	Chemical name	BCF	Species	Source
7173-51-5	Didecyldimethylammonium chloride	2,1		

12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

Für einzelne Rohstoffe:

Mobility in soil für Didecyldimethylammoniumchlorid.

Moderate adsorption in soil and sediment. für Bis(3-aminopropyl)dodecylamin.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

May cause long-term adverse effects in the environment.

Further information

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

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

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List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

@1301.B130039 Handle contaminated packages in the same way as the substance itself. Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (didecyldimethylammonium chloride,
 C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C9
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 80
 Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (didecyldimethylammonium chloride,
 C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Classification code: C9
 Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (didecyldimethylammonium chloride,
 C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8

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Special Provisions: 274
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S.
 (didecyldimethylammonium chloride,
 C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
 Hazard label: 8



Special Provisions: A3 A803
 Limited quantity Passenger: 0.5 L
 Passenger LQ: Y840
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 851
 IATA-max. quantity - Passenger: 1 L
 IATA-packing instructions - Cargo: 855
 IATA-max. quantity - Cargo: 30 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
 didecyldimethylammonium chloride

14.6. Special precautions for user

Warning: strongly corrosive. No special handling instructions are necessary.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not classified for this transport way.

Other applicable information

No information available.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 55: 2-(2-butoxyethoxy)ethanol, diethylene glycol monobutyl ether

2010/75/EU (VOC): 1,5 % (14,4 g/l)

2004/42/EC (VOC): 1,5 % (14,4 g/l)

Information according to 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

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National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

Additional information

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
Didecyldimethylammonium chloride
propan-2-ol; isopropyl alcohol; isopropanol

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 1,14.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

P: Marine Pollutant

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-ID plus+

Revision date: 08.09.2020

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RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
 intérieures)
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 VOC: Volatile Organic Compounds
 SVHC: Substance of Very High Concern
 @1602.B016012

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

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May 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.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Notice the directions for use on the label.

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)