

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 1 of 13

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

### 1.1. Product identifier

RHEOSEPT-FD universal

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

#### Use of the substance/mixture

Aldehyde-free surface disinfection concentrate

### 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:  
 Skin corrosion/irritation: Skin Corr. 1B  
 Serious eye damage/eye irritation: Eye Dam. 1  
 Hazardous to the aquatic environment: Aquatic Acute 1  
 Hazardous to the aquatic environment: Aquatic Chronic 2  
 Hazard Statements:  
 Causes severe skin burns and eye damage.  
 Causes serious eye damage.  
 Very toxic to aquatic life.  
 Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

Didecyldimethylammonium chloride  
 quaternary ammonium compounds: Benzyl-C12-C18-alkyldimethylchloride  
 quaternary ammonium compounds, C12-14 alkyl[(ethylephenyl)methyl]dimethyl-chloride

**Signal word:** Danger

**Pictograms:**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 2 of 13

**Hazard statements**

H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statements**

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.
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).

**Additional advice on labelling**

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

**2.3. Other hazards**

No information available.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
7173-51-5	Didecyltrimethylammonium chloride	1 - < 5 %
	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	
68391-01-5	quaternary ammonium compounds: Benzyl-C12-C18-alkyldimethylchloride	1 - < 5 %
	269-919-4	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H302 H314 H400 H410	
85409-23-0	quaternary ammonium compounds, C12-14 alkyl[(ethylephenyl)methyl]dimethyl-chloride	1 - < 5 %
	287-090-7	
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H302 H314 H400 H410	

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSEPT-FD universal**

Revision date: 04.09.2020

Product code: 20525

Page 3 of 13

Remove contaminated, saturated clothing immediately.

**After inhalation**

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

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap. 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. Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

@0401.B040030 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). Seek medical attention if problems persist.

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

No information available.

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

Treat symptomatically. Symptomatic treatment and supporting therapy is recommended.

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

Co-ordinate fire-fighting measures to the fire surroundings. waterspray, foam, CO<sub>2</sub>, powder

**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 (CO<sub>2</sub>).Carbon monoxide

**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes. 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. Contaminated fire-fighting water must be collected separately.

**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.

**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.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 4 of 13

Suitable material for taking up: Universal binding agent.  
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

### SECTION 7: Handling and storage

#### **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

#### **7.3. Specific end use(s)**

Aldehyde-free surface disinfection concentrate

### SECTION 8: Exposure controls/personal protection

#### **8.1. Control parameters**

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 5 of 13

#### 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 <sup>3</sup>
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 <sup>3</sup>
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 <sup>3</sup>

#### 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.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 6 of 13

#### 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. Wear suitable gloves.

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. Avoid the formation of aerosol. Do not breathe aerosol. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

#### Environmental exposure controls

Discharge into the environment must be avoided.

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	light yellow
Odour:	lemonlike
pH-Value (at 20 °C):	6,8

#### Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	99,97 °C
Sublimation point:	not known
Softening point:	not applicable
Pour point:	not applicable
Flash point:	100 °C

#### Flammability

Solid:	not applicable
Gas:	not applicable

#### Explosive properties

The product is not: Explosive.

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

#### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 7 of 13

Decomposition temperature: not determined

**Oxidizing properties**

Not oxidizing.

Vapour pressure: 23,37 hPa  
(at 20 °C)Vapour pressure: 123,3 hPa  
(at 50 °C)Density (at 20 °C): 0,98 g/cm<sup>3</sup>

Water solubility: complete miscible

**Solubility in other solvents**

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

**9.2. Other information**

Solid content: not applicable

**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**

not known

**10.4. Conditions to avoid**

Protect against direct sunlight.

**10.5. Incompatible materials**

Iron. Alloy, containing copper

**10.6. Hazardous decomposition products**

not known

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 8 of 13

#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7173-51-5	Didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat	OECD 401	
	dermal	LD50 3342 mg/kg	Rabbit		
68391-01-5	quartary ammonium compounds: Benzyl-C12-C18-alkyldimethylchloride				
	oral	LD50 344 mg/kg	Rat		
	dermal	LD50 >3000 mg/kg	Rabbit		
85409-23-0	quartary ammonium compounds, C12-14 alkyl[(ethylephenyl)methyl]dimentyl-chloride				
	oral	LD50 344 mg/kg	Rat		
	dermal	LD50 >3000 mg/kg	Rabbit		

#### Specific effects in experiment on an animal

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

#### Additional information on tests

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

#### Practical experience

#### Observations relevant to classification

not known

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxic to aquatic life with long lasting effects. Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7173-51-5	Didecyldimethylammonium chloride					
	Acute fish toxicity	LC50 0,19 mg/l	96 h	Pimephales promelas		US-EPA
	Acute algae toxicity	ErC50 0,026 mg/l	96 h	Pseudokirchneriella subcapitata		OECD 201
	Acute crustacea toxicity	EC50 0,062 mg/l	48 h	Daphnia magna		EPA-FIFRA
	Fish toxicity	NOEC 0,032 mg/l	34 d	Danio rerio		OECD 210
	Algea toxicity	NOEC >0,01-0,1 mg/l	3 d	Pseudokirchneriella subcapitata	OECD 201	
	Crustacea toxicity	NOEC >0,01-0,1 mg/l	21 d	Daphnia		OECD 211
68391-01-5	quartary ammonium compounds: Benzyl-C12-C18-alkyldimethylchloride					
	Acute crustacea toxicity	EC50 0,016 mg/l	48 h	Daphnia magna		



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 9 of 13

**12.2. Persistence and degradability**

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

CAS No	Chemical name	Method	Value	d	Source
		Evaluation			
7173-51-5	Didecyldimethylammonium chloride				
	Die-Away Test	93,3	28		
	OECD Confirmatory-Test	91	24		OECD 303 A

**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
7173-51-5	Didecyldimethylammonium chloride	<3

**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.

For single compounds:

Mobility in soil: didecyldimethylammonium chloride

Moderate adsorption in soil and sediment.: C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride

**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**

No information available.

**Further information**

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

**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. Recycle / dispose of observing national, regional, state, provincial and local health, safety & pollution laws. If questions exist, contact the appropriate agencies.

**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**

Non-contaminated packages may be recycled. 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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 10 of 13

**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:**

III

Hazard label:

8



Classification code:

C9

Special Provisions:

274

Limited quantity:

5 L

Excepted quantity:

E1

Transport category:

3

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:**

III

Hazard label:

8



Classification code:

C9

Special Provisions:

274

Limited quantity:

5 L

Excepted quantity:

E1

**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:**

III

Hazard label:

8



Special Provisions:

223, 274

Limited quantity:

5 L

Excepted quantity:

E1

EmS:

F-A, S-B

Segregation group:

acids

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:**

UN 1903

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 11 of 13

#### 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:

III

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

1 L

Passenger LQ:

Y841

Excepted quantity:

E1

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:

yes



Danger releasing substance:

 didecyldimethylammonium chloride  
 C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-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 applicable

#### **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

2010/75/EU (VOC):

0,979 % (9,596 g/l)

2004/42/EC (VOC):

0,979 % (9,596 g/l)

 Information according to 2012/18/EU  
 (SEVESO III):

E1 Hazardous to the Aquatic Environment

##### 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

#### 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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSEPT-FD universal**

Revision date: 04.09.2020

Product code: 20525

Page 12 of 13

**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,11,12,13,14,15,16.

**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)

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD universal

Revision date: 04.09.2020

Product code: 20525

Page 13 of 13

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

Classification	Classification procedure
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
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 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 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.)*