

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSEPT-FD aktive**

Revision date: 20.12.2018

Product code: 20532

Page 1 of 10

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

RHEOSEPT-FD aktive

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

Instrument disinfectant for cleaning and disinfection

**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

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

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes skin irritation.

Causes serious eye damage.

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

Sodium percarbonate

Disodium metascilicate pentahydrate

**Signal word:** Danger**Pictograms:****Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

**Precautionary statements**

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

## RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 2 of 10

P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see information on this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

**Additional advice on labelling**

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

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

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
15630-89-4	Sodium percarbonate			40 - < 45 %
	239-707-6		01-2119457268-30	
	Ox. Liq. 2, Acute Tox. 4, Eye Dam. 1; H272 H302 H318			
10213-79-3	Disodium metascilicate pentahydrate			1 - < 5 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			

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

**Further Information**

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

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

**After inhalation**

Provide fresh air.  
Call a doctor if you feel unwell.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.  
In case of skin irritation, consult a physician.

**After contact with eyes**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**After ingestion**

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).  
Seek medical attention if problems persist.

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

The inhalation of dust/mist or aerosols causes irritation of the respiratory tract.

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

Treat symptomatically.

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSEPT-FD aktive**

Revision date: 20.12.2018

Product code: 20532

Page 3 of 10

**Suitable extinguishing media**

Water

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

igniting (oxidating) materials

In case of high temperatures, oxidizing oxygen can be released.

**5.3. Advice for firefighters**

Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

In case of fire: Wear self-contained breathing apparatus.

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

Consider conventional precautions for chemical handling. Provide sufficient ventilation. Wear gloves and eye protection..

**6.2. Environmental precautions**

Do not empty undiluted or in larger quantities into drains or waters.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Take up mechanically.

Wash with plenty of water.

Avoid generation of dust.

**6.4. Reference to other sections**

Personal precautions See protective measures under point 7 and 8.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Prevent dust accumulation.

Avoid contact with skin and eyes.

Avoid contact with acids and reducing agents.

**Advice on protection against fire and explosion**

Product is oxidizing.

Keep away from sources of ignition. - No smoking.

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

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Store in cool dry place.

Do not store at temperatures over 30 °C.

Keep only in the original container in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with:

Metal ions, metal salts, metals, alkalis, reducing agents, flammable compounds, solvents.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 4 of 10

#### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
15630-89-4	Sodium percarbonate		
Worker DNEL, acute	dermal	local	12,8 mg/cm <sup>2</sup>
Worker DNEL, long-term	dermal	local	12,8 mg/cm <sup>2</sup>
Worker DNEL, long-term	inhalation	local	5 mg/m <sup>3</sup>
Consumer DNEL, acute	dermal	local	6,4 mg/cm <sup>2</sup>
Consumer DNEL, long-term	dermal	local	6,4 mg/cm <sup>2</sup>

#### PNEC values

CAS No	Substance	
Environmental compartment	Value	
15630-89-4	Sodium percarbonate	
Freshwater	0,035 mg/l	
Freshwater (intermittent releases)	0,035 mg/l	
Marine water	0,035 mg/l	
Micro-organisms in sewage treatment plants (STP)	16,24 mg/l	

#### 8.2. Exposure controls

##### Protective and hygiene measures

- Do not eat, drink or smoke at the workplace.
- Keep away from food, drink and animal feedingstuffs.
- Wash hands before break and after work.
- Immediately remove contaminated clothing.
- Do not breathe dust.

##### Eye/face protection

- Tightly sealed safety glasses.

##### Hand protection

- 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

- Working clothes.

##### Respiratory protection

- Dust mask is necessary, if dust concentration exceeds dust limit values. Filter type: P2.

### SECTION 9: Physical and chemical properties

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

Physical state:	solid (granulate)
Colour:	whitish
Odour:	characteristic

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 5 of 10

pH-Value (at 20 °C): 7-8 (1-2 % aqueous solution)

#### Changes in the physical state

Melting point: not applicable

Initial boiling point and boiling range: not applicable

Sublimation point: not applicable

Softening point: not applicable

Pour point: not applicable

Flash point: not applicable

Sustaining combustion: Not sustaining combustion

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Bulk density (at 20 °C): 0,78 kg/m<sup>3</sup>

Water solubility:  
(at 35 °C) ca. 35 g/L

#### 9.2. Other information

Solid content: 100%

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

Prolonged exposure to direct and intensive sunlight may form explosive peroxides in the product

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

In case of high temperatures, oxidizing oxygen can be released.

#### 10.4. Conditions to avoid

Keep at temperature not exceeding 40 °C (to be specified by the manufacturer).

#### 10.5. Incompatible materials

Keep away from strong acids, leachates, heavy metal salts and reducing materials.

Water

#### 10.6. Hazardous decomposition products

Hydrogen peroxide, Oxygen

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

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

Harmful by inhalation and if swallowed.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 6 of 10

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
15630-89-4	Sodium percarbonate				
	oral	LD50 1034 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
10213-79-3	Disodium metascilicate pentahydrate				
	oral	LD50 1152-1349 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rat		

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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.

#### Specific effects in experiment on an animal

No information available.

#### Practical experience

##### Observations relevant to classification

Strong causticity on all mucous membranes and skin.

strong corrosive effect on oral cavity and throat, danger of oesophagus and stomach perforation

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life.

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
15630-89-4	Sodium percarbonate					
	Acute fish toxicity	LC50 mg/l	70,7	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	4,9 mg/l	48 h	Daphnia pulex	
	Fish toxicity	NOEC	7,4 mg/l	4 d	Pimephales promelas	
	Crustacea toxicity	NOEC	2,0 mg/l	2 d	Daphnia pulex	
10213-79-3	Disodium metasilicate pentahydrate					
	Acute fish toxicity	LC50	210 mg/l	96 h	Brachydanio rerio	
	Acute algae toxicity	ErC50	207 mg/l	72 h	scenedesmus subspicatus	
	Acute crustacea toxicity	EC50 mg/l	1700	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.

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### 12.4. Mobility in soil

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

#### 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

not known

#### Further information

Do not empty undiluted into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

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

##### Waste disposal number of waste from 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

Contaminated packages must be completely emptied and can be re-used following proper cleaning.  
Recommended cleaning agent: Water

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	UN 3378
<b>14.2. UN proper shipping name:</b>	SODIUM CARBONATE PEROXYHYDRATE
<b>14.3. Transport hazard class(es):</b>	5.1
<b>14.4. Packing group:</b>	III
Hazard label:	5.1

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 8 of 10



Classification code: O2  
 Limited quantity: 5 kg  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 50  
 Tunnel restriction code: E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 3378  
**14.2. UN proper shipping name:** SODIUM CARBONATE PEROXYHYDRATE  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** III  
 Hazard label: 5.1



Classification code: O2  
 Limited quantity: 5 kg  
 Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 3378  
**14.2. UN proper shipping name:** SODIUM CARBONATE PEROXYHYDRATE  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** III  
 Hazard label: 5.1



Special Provisions: 967  
 Limited quantity: 5 kg  
 Excepted quantity: E1  
 EmS: F-A, S-Q  
 Segregation group: peroxides

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

**14.1. UN number:** UN 3378  
**14.2. UN proper shipping name:** SODIUM CARBONATE PEROXYHYDRATE  
**14.3. Transport hazard class(es):** 5.1  
**14.4. Packing group:** III  
 Hazard label: 5.1



Special Provisions: A803  
 Limited quantity Passenger: 10 kg  
 Passenger LQ: Y546  
 Excepted quantity: E1



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSEPT-FD aktive

Revision date: 20.12.2018

Product code: 20532

Page 9 of 10

IATA-packing instructions - Passenger:	559
IATA-max. quantity - Passenger:	25 kg
IATA-packing instructions - Cargo:	563
IATA-max. quantity - Cargo:	100 kg

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:      yes



#### 14.6. Special precautions for user

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

##### National regulatory information

Water contaminating class (D):                      1 - slightly water contaminating

#### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 3,16.

#### 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

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

H272                      May intensify fire; oxidiser.

H290                      May be corrosive to metals.

H302                      Harmful if swallowed.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSEPT-FD aktive**

Revision date: 20.12.2018

Product code: 20532

Page 10 of 10

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

**Further Information**

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.

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