

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-ID aktive

Revision date: 19.06.2020

Product code: 20530

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

1.1. Product identifier

RHEOSEPT-ID 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

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 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 metasilicate 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.

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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.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see information on this label).

Additional advice on labelling

Classification for mixtures and used evaluation method 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			
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 metasilicate pentahydrate			1 - < 5 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1B, STOT SE 3; H290 H312 H314 H335			

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

Further Information

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

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

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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. Treat symptomatically.

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

Co-ordinate fire-fighting measures to the fire surroundings. Water

5.2. Special hazards arising from the substance or mixture

Non-flammable. igniting (oxidating) materials

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

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

Suppress gases/vapours/mists with water spray jet.

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

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Consider conventional precautions for chemical handling. Provide sufficient ventilation. Wear gloves and eye protection..

6.2. Environmental precautions

Do not empty indiluted or in larger quantaties 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. Treat the recovered material as prescribed in the section on waste disposal . Take up mechanically.

Wash with plenty of water.

Avoid generation of dust.

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. Avoid dust formation. Do not breathe dust. 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

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Requirements for storage rooms and vessels

Keep container tightly closed. 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.

Hints on joint storage

Do not store together with:

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

7.3. Specific end use(s)

Instrument disinfectant for cleaning and disinfection

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
9014-01-1	Subtilisins (Bacillus subtilis Carlsberg)	-	0.00004		TWA (8 h)	WEL

DNEL/DMEL values

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

PNEC values

CAS No	Substance	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



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

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Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. 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

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

Working clothes.

Respiratory protection

In case of inadequate ventilation wear 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
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

Flammability

Solid:	not determined
Gas:	not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable

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Auto-ignition temperature

Solid: not determined
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: not determined

Density: not determined

Bulk density (at 20 °C): 0,78 kg/m³

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

Solubility in other solvents

not determined

Partition coefficient: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

Solid content: 100%

SECTION 10: Stability and reactivity

10.1. Reactivity

@0902.B092437 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

May cause decomposition by long-term light influence. The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Combustible substance, Alkali metals, Alkaline earth metal, Heavy metals, Metal powder, Acid, Base. 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/Store away from combustible materials. Keep away from strong acids, leachates, heavy metal salts and reducing materials.
Water

10.6. Hazardous decomposition products

Resulting from the use of the product: Oxygen. 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.

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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.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

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.

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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 metascilicate 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

Avoid release to the environment. 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. 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

Wash with plenty of water. Completely emptied packages can be recycled. 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)

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

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Hazard label: 5.1



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

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Excepted quantity:	E1	
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

Warning: Oxidising substances. 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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

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): awg - generally hazardous to water

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):
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

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)

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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
 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
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

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.

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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.)