

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 1 of 10

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

RHEOSEPT-WD plus

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

Fast-acting, alcohol-free and ready to use wiping disinfectant

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:
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard statements**

H412 Harmful to aquatic life with long lasting effects.

Precautionary statementsP273 Avoid release to the environment.
P501 Dispose of contents/container to**Additional advice on labelling**

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

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

aqueous mixture of quaternary ammonium compounds

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 2 of 10

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
68424-85-1	Benzyl-C12-16-alkyldimethylchloride			< 1 %
	270-325-2			
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			
85409-23-0	C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride			< 1 %
	287-090-7			
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			
7173-51-5	didecyldimethylammonium chloride			< 1 %
	230-525-2	612-131-00-6	01-2119945987-15	
	Acute Tox. 3, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H301 H314 H400 H410			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
68424-85-1	270-325-2	Benzyl-C12-16-alkyldimethylchloride	< 1 %
		dermal: LD50 = 3340 mg/kg; oral: LD50 = 344 mg/kg	
85409-23-0	287-090-7	C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride	< 1 %
		oral: ATE = 500 mg/kg	
7173-51-5	230-525-2	didecyldimethylammonium chloride	< 1 %
		dermal: LD50 = 3342 mg/kg; oral: LD50 = 238 mg/kg	

Further Information

Note: The danger characteristics refer to the properties of the neat substances.
@0201.B020386

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. No special measures are necessary.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin irritation, consult a physician.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Observe risk of aspiration if vomiting occurs. IF SWALLOWED: Call a doctor if you feel unwell.

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

@0201.B020260.

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

Treat symptomatically. Treat symptomatically.

SECTION 5: Firefighting measures

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 3 of 10

5.1. Extinguishing media**Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings. Suitable extinguishing media: Extinguishing powder. Carbon dioxide (CO₂). Foam. Sand. Water.

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 monoxide, Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Use appropriate respiratory protection.
@0505.B005085In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. 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****General measures**

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**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Treat the recovered material as prescribed in the section on waste disposal.

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**

No special handling instructions are necessary.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

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

Keep container tightly closed. Keep container tightly closed in a cool, well-ventilated place.

Protect against:

UV-radiation/sunlight.

frost.

Hints on joint storage

No special measures are necessary.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 4 of 10

Further information on storage conditions

Recommended storage temperature: 5-30°C

7.3. Specific end use(s)

No special handling instructions 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
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. No special measures are necessary.

Eye/face protection

Wear eye/face protection. not required

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. (If necessary) protective 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

No special measures are necessary.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Provide fresh air.

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:	liquid
Colour:	light yellow
Odour:	characteristic
pH-Value:	

6

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 5 of 10

Changes in the physical state

Melting point:	not applicable
Boiling point or initial boiling point and boiling range:	99,97 °C
Sublimation point:	not applicable
Softening point:	not applicable
Pour point:	not applicable
Flash point:	100 °C
Sustaining combustion:	Not sustaining combustion

Flammability

Solid/liquid:	not applicable
Gas:	not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits:	not applicable
Upper explosion limits:	not applicable
Auto-ignition temperature:	not applicable

Self-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: not determined

Oxidizing properties

@0902.B091060

Vapour pressure: (at 20 °C)	23,37 hPa
Vapour pressure: (at 50 °C)	123,3 hPa
Density (at 20 °C):	1 g/cm ³
Water solubility:	complete miscible

Solubility in other solvents

not determined

Partition coefficient n-octanol/water:	not determined
Flow time:	not known
Relative vapour density:	not determined
Evaporation rate:	not determined

9.2. Other information

Solid content:	not applicable
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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

@1002.B100142

10.3. Possibility of hazardous reactions

not known

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 6 of 10

10.4. Conditions to avoid

Frost
Protect from sunlight.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

No dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68424-85-1	Benzyl-C12-16-alkyldimethylchloride				
	oral	LD50 344 mg/kg	Rat		
	dermal	LD50 3340 mg/kg	Rabbit		
85409-23-0	C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-Chloride				
	oral	ATE 500 mg/kg			
7173-51-5	didecyldimethylammonium chloride				
	oral	LD50 238 mg/kg	Rat		
	dermal	LD50 3342 mg/kg	Rabbit		

Irritation and corrosivity

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

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

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

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

11.2. Information on other hazards

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 7 of 10

Other information

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

Further information

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Harmful 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.

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.

12.7. 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. Dispose of waste according to applicable legislation.

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

List of Wastes Code - used product

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)**

- | | |
|---|--|
| <u>14.1. UN number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.3. Transport hazard class(es):</u> | No dangerous good in sense of this transport regulation. |
| <u>14.4. Packing group:</u> | No dangerous good in sense of this transport regulation. |

Inland waterways transport (ADN)

- | | |
|--|--|
| <u>14.1. UN number:</u> | No dangerous good in sense of this transport regulation. |
| <u>14.2. UN proper shipping name:</u> | No dangerous good in sense of this transport regulation. |

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 8 of 10

<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
Marine transport (IMDG)	
<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
Air transport (ICAO-TI/IATA-DGR)	
<u>14.1. UN number:</u>	No dangerous good in sense of this transport regulation.
<u>14.2. UN proper shipping name:</u>	No dangerous good in sense of this transport regulation.
<u>14.3. Transport hazard class(es):</u>	No dangerous good in sense of this transport regulation.
<u>14.4. Packing group:</u>	No dangerous good in sense of this transport regulation.
<u>14.5. Environmental hazards</u>	
ENVIRONMENTALLY HAZARDOUS:	Yes



14.6. Special precautions for user

No special handling instructions are necessary.

14.7. Maritime transport in bulk according to IMO instruments

Not classified for this transport carrier.

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 3

2010/75/EU (VOC): 0,112 % (1,12 g/l)

2004/42/EC (VOC): 0,112 % (1,12 g/l)

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 juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 9 of 10

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

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

Classification	Classification procedure
Aquatic Chronic 3; H412	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.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-WD plus

Revision date: 26.03.2021

Product code: 20512

Page 10 of 10

H412 Harmful 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. Follow the instructions for use on the label.

@1604.B160022

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