

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSEPT-SD pure Wipes

Revision date: 05.09.2019

Product code: 29336

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

RHEOSEPT-SD pure Wipes

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

Wipes with alcohol-based fast-acting 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

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:

Flammable liquid: Flam. Liq. 3

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Flammable liquid and vapour.

Causes serious eye irritation.

May cause drowsiness or dizziness.

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

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

propan-2-ol; isopropyl alcohol; isopropanol

Signal word: Warning**Pictograms:****Hazard statements**

H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P235 Keep cool.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use Foam to extinguish.

Special labelling of certain mixtures

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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**

Wipes with impregnating liquid: Alcohol-water-mixture
Data apply to impregnating liquid.

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			60 - < 65 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			

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**

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. Seek medical attention if problems persist.

After contact with skin

In case of skin irritation persistence, seek medical treatment.
Wash hands thoroughly after handling.

After contact with eyes

Rinse eyes immediately with plenty of water, keep eyelid open. Consult an ophthalmologist if necessary.

After ingestion

Rinse mouth immediately and drink plenty of water. Seek medical attention if problems persist.

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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.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Suitable extinguishing media: Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂).**Unsuitable extinguishing media**

High power water jet.

5.2. Special hazards arising from the substance or mixtureIn case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂).**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.

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

Additional information

soaked wipe material may accelerate fire

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

Consider conventional precautions for chemical handling.

Keep away from sources of ignition. - No smoking.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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**

Avoid contact with eyes.

Advice on protection against fire and explosion

Precautions against fire and explosion: Keep away from sources of ignition. - No smoking. Keep away from hot surfaces.

The product is: Flammable.

Further information on handling

Do not eat, drink or smoke at the workplace. Avoid contact with eyes.

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

Store in a well ventilated place away from heat and ignition sources.

After removing the product close the container tight.

Advice on storage compatibility

Do not store together with:

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self-igniting material
igniting (oxidating) materials
Material, combustible.
material, flammable.
alkali metals

7.3. Specific end use(s)

not known

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

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
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	Value
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

Please consider your local regulations

Protective and hygiene measures

Do not eat, drink or smoke at the workplace.

Eye/face protection

(If necessary) safety glasses. in case of handling bigger quantities.

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Hand protection

(If necessary) protective gloves in case of handling bigger quantities.

Skin protection

not necessary

Respiratory protection

not necessary

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Wipes with impregnating liquid
Colour:	white
Odour:	alcoholic
pH-Value:	6,8

Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	82 °C
Sublimation point:	not known
Softening point:	not applicable
Pour point:	not applicable
Flash point:	12 °C
Sustaining combustion:	Not sustaining combustion

Flammability

Solid:	not applicable
Gas:	not applicable

Explosive properties

In use, may form flammable / explosive vapour-air mixture.

Lower explosion limits:	2 vol. %
Upper explosion limits:	13,4 vol. %
Ignition temperature:	ca. 400 °C

Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Oxidizing properties

product not potentially explosive but may form flammable/explosive vapour-air mixtures

Vapour pressure: (at 20 °C)	43 hPa
Vapour pressure: (at 50 °C)	229 hPa
Density:	not applicable
Bulk density:	not applicable
Water solubility:	not applicable

9.2. Other information

Solid content:	not applicable
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SECTION 10: Stability and reactivity

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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

- Reaction with oxidizing agents.
- Reaction with alkali metals.
- Reaction with alkaline earth metals.

10.4. Conditions to avoid

In case of warming: Risk of selfignition.

10.5. Incompatible materials

- Alkali metals.
- Alkaline earth metals.
- Oxidizing agents.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

For oral intoxication by isopropanol of humans several symptoms are known: sickness, vomitus, stomach ache, gastritis, Reduction of blood pressure, bodytemperature drop, coma, respiratory paralysis. 0,5 L of 70% V/V Isopropanol mixture may be lethal. Source: GESTIS substance data base of the BG Institute for Occupational Safety and IFA.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 30 mg/l			

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Irritant effect on the eye: irritant A skin-irritating effect of isopropanol occurs with volunteers only with prior superficial injury (abrasion) or after prior 10 min. storing in water. Source: GESTIS substance data base of the BG Institute for Occupational Safety and IFA

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

May cause drowsiness or dizziness. (propan-2-ol; isopropyl alcohol; isopropanol)

STOT-repeated exposure

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

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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.

Practical experience**Observations relevant to classification**

not known

Other observations

May cause drowsiness or dizziness.

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

Data apply to impregnating liquid.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Leuciscus idus		
	Acute algae toxicity	ErC50 >1000 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 13299 mg/l	48 h	Daphnia magna		

12.2. Persistence and degradability

Easily biodegradable.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			
	Biological degradability	53 %	5	
	Readily biodegradable.			

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol	0,05

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

There are no data available on the mixture itself.

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

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questions exist, contact the appropriate agencies.

Waste disposal number of waste from residues/unused products

150203 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02

Waste disposal number of used product

150203 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02


Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)


14.1. UN number: UN 3175
14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 4.1
14.4. Packing group: II
 Hazard label: 4.1



Classification code: F1
 Special Provisions: 216 274 601
 Limited quantity: 1 kg
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 40
 Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 3175
14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 4.1
14.4. Packing group: II
 Hazard label: 4.1



Classification code: F1
 Special Provisions: 216 274 601 800
 Limited quantity: 1 kg
 Excepted quantity: E2

Marine transport (IMDG)

14.1. UN number: UN 3175
14.2. UN proper shipping name: SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.
14.3. Transport hazard class(es): 4.1

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14.4. Packing group:

II

Hazard label:

4.1



Special Provisions:

216, 274

Limited quantity:

1 kg

Excepted quantity:

E2

EmS:

F-A, S-I

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number:

UN 3175

14.2. UN proper shipping name:

SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es):

4.1

14.4. Packing group:

II

Hazard label:

4.1



Special Provisions:

A46

Limited quantity Passenger:

5 kg

Passenger LQ:

Y441

Excepted quantity:

E2

IATA-packing instructions - Passenger:

445

IATA-max. quantity - Passenger:

15 kg

IATA-packing instructions - Cargo:

448

IATA-max. quantity - Cargo:

50 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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

EU regulatory information

2010/75/EU (VOC): 63,1 %

2004/42/EC (VOC): 63,1 % (552,945 g/l)

National regulatory information

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D):

1 - slightly water contaminating

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15.2. Chemical safety assessment

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

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)

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)

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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.

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