

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 1 of 9

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

1.1. Product identifier

RHEOSOL-Alcoholic freshness cleaner

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

Use of the substance/mixture

Maintenance cleaner with alcohol

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:
 Serious eye damage/eye irritation: Eye Irrit. 2
 Respiratory or skin sensitisation: Skin Sens. 1
 Hazard Statements:
 Causes serious eye irritation.
 May cause an allergic skin reaction.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 2 of 9

P302+P352	IF ON SKIN: Wash with plenty of water.
P321	Specific treatment (see information on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

Additional advice on labelling

Labelling 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]	
64-17-5	ethanol, ethyl alcohol	5 - < 10 %
	200-578-6	
	603-002-00-5	
	Flam. Liq. 2; H225	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	5 - < 10 %
	203-539-1	
	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336	
69011-36-5	isotridecanol, ethoxylated	1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318	
55965-84-9	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)	< 0.1 %
	-	
	613-167-00-5	
	Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H331 H301 H314 H317 H400 H410	

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

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, < 5 % anionic surfactants, preservation agents (Methylchloroisothiazolinone/methylisothiazolinone).

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

Consider conventional precautions for chemical handling.

After inhalation

Primarily in case of aerosol formation. If irritations occur seek medical attention. Provide fresh air. Seek medical attention if problems persist.

After contact with skin

Rinse of skin with water.

After contact with eyes

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 3 of 9

After ingestion

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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:
Water spray. Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂).

5.3. Advice for firefighters

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

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

Do not breathe in fumes and aerosol. Provide adequate ventilation. Keep away from sources of ignition .

6.2. Environmental precautions

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

Take up mechanically. 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**

In case of appropriate application no special measures are necessary.

Advice on protection against fire and explosion

In case of appropriate application no special measures are necessary.

Further information on handling

The product is: Flammable.

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

Store in a well ventilated and cool place. Storage in original container is allowed. After removing the product close the container tight.

Advice on storage compatibility

Do not store together with:

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 4 of 9

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

8.2. Exposure controls

Protective and hygiene measures

Do not eat, drink or smoke at the workplace.

Eye/face protection

(If necessary) safety glasses.

Hand protection

In case of prolonged or frequently repeated skin contact: Wear protecting gloves.

Skin protection

Body protection: not required.

Respiratory protection

Usually no personal respirative protection necessary.

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: yellow
 Odour: perfumed
 pH-Value (at 20 °C): 7-8

Changes in the physical state

Melting point: non-applicable
 Initial boiling point and boiling range: 78 °C
 Sublimation point: not known
 Softening point: non-applicable
 Pour point: non-applicable
 Flash point: ca. 50 °C

Flammability

Solid: non-applicable
 Gas: non-applicable

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 5 of 9

Explosive properties

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

Lower explosion limits: 3,5 vol. %

Upper explosion limits: 13,1 vol. %

Ignition temperature: 270 °C

Auto-ignition temperature

Solid: non-applicable

Gas: non-applicable

Vapour pressure:
(at 20 °C) 23,37 hPaVapour pressure:
(at 50 °C) 123,32 hPaDensity (at 20 °C): 0,99 g/cm³

Water solubility: completely miscible

Solvent content: 14,89 %, Wasser: 83,07 %

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is stable, if used in compliance with instructions

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 warming: Risk of selfignition.

10.4. Conditions to avoid

The product is stable, if used in compliance with instructions

Conditions to avoid: Protect from heat and direct sunlight.

10.5. Incompatible materials

Alkali metals. Alkaline earth metals. Oxidizing agents. Sulphuric acid and sulphurous acid. Nitric acid.

10.6. Hazardous decomposition products

Prolonged exposure to direct and intensise 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.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 6 of 9

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64-17-5	ethanol, ethyl alcohol				
	oral	LD50 mg/kg	6200	Rat	IUCLID
	inhalative (4 h) vapour	LC50	95,6 mg/l	Rat	RTECS
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50 mg/kg	4016	Rat	IUCLID
	dermal	LD50 mg/kg	>2000	Rabbit	
	inhalative (4 h) vapour	LC50 mg/l	>25,8	Rat	
69011-36-5	isotridecanol, ethoxylated				
	oral	LD50 mg/kg	500	Rat	
55965-84-9	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)				
	oral	LD50 mg/kg	457	Rat	
	dermal	LD50 mg/kg	660	Rabbit	
	inhalative vapour	ATE	3 mg/l		
	inhalative aerosol	ATE	0,5 mg/l		

Irritation and corrosivity

Causes serious eye irritation.

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

Sensitising effects

May cause an allergic skin reaction. (Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1))

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.

Practical experience

Observations relevant to classification

not known

SECTION 12: Ecological information

12.1. Toxicity

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 7 of 9

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64-17-5	ethanol, ethyl alcohol					
	Acute crustacea toxicity	EC50 9268 - 14221 mg/l	48 h	Daphnia magna	IUCLID	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 4600 - 10000 mg/l	96 h	Leuciscus idus	IUCLID	
	Acute algae toxicity	ErC50 > 1000 mg/l	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 > 500 mg/l	48 h	Daphnia magna	IUCLID	
55965-84-9	Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)					
	Acute fish toxicity	LC50 0,19 mg/l	96 h	rainbow trout		
	Acute algae toxicity	ErC50 0,027 mg/l	72 h	Scenedesmus capricornutum		
	Acute crustacea toxicity	EC50 0,16 mg/l	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.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
69011-36-5	isotridecanol, ethoxylated			
	Biological degradability	90,1	28	OECD 301D

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
64-17-5	ethanol, ethyl alcohol	-0,31
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

12.4. Mobility in soil

not known

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

May cause drowsiness or dizziness.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

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

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 8 of 9

Contaminated packaging

Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

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

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16.

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)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Alcoholic freshness cleaner

Revision date: 13.03.2020

Product code: 21641

Page 9 of 9

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

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

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method

Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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.)