

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSOL-Basic cleaner multi**

Revision date: 29.01.2020

Product code: 20827

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

RHEOSOL-Basic cleaner multi

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

Universal basic cleaner, linoleum-stripper and plastic cleaner

**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**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH210 Safety data sheet available on request.

**Additional advice on labelling**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

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

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			5 - < 10 %
	203-905-0		02-2119764899-11	
	Acute Tox. 4, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2; H332 H312 H302 H315 H319			
34590-94-8	Dipropylenglykoldimethylether			5 - < 10 %
	252-104-2		01-2119450011-60	

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

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

&lt; 5 % non-ionic surfactants.

#### 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

Provide fresh air.

##### 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.

##### 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.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

 The product itself does not burn.  
 waterspray, foam, CO<sub>2</sub>, powder

##### 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 (CO<sub>2</sub>).

#### 5.3. Advice for firefighters

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

### SECTION 6: Accidental release measures

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**6.1. Personal precautions, protective equipment and emergency procedures**

In case of handling larger quantities: (If necessary) protective gloves

**6.2. Environmental precautions**

No special measures are necessary.

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

Take up mechanically.

Wash with plenty of water.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

**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**

In case of appropriate application no special measures are necessary.

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

No special measures are necessary.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
34590-94-8	(2-methoxymethylethoxy) propanol	50	308		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid	240 mmol/mol	urine	Post shift

**Additional advice on limit values**

Please consider your local regulations

**8.2. Exposure controls****Appropriate engineering controls**

not required

**Protective and hygiene measures**

Consider conventional precautions for chemical handling.

**Eye/face protection**

In case of handling larger quantities: (If necessary) safety glasses.

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**Hand protection**

In case of handling larger quantities: (If necessary) protective gloves

**Skin protection**

not required

**Respiratory protection**

not required

**Environmental exposure controls**

not required

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

Physical state:	liquid
Colour:	colourless
Odour:	perfumed
pH-Value (at 20 °C):	9,5-10,2

**Changes in the physical state**

Melting point:	non-applicable
Initial boiling point and boiling range:	99,97 °C
Sublimation point:	not determined
Flash point:	61 °C
Sustaining combustion:	Not sustaining combustion
Lower explosion limits:	non-applicable
Upper explosion limits:	non-applicable
Vapour pressure: (at 20 °C)	23,37 hPa
Vapour pressure: (at 50 °C)	123,3 hPa
Density:	1,02 g/cm <sup>3</sup>
Water solubility:	completely miscible

**SECTION 10: Stability and reactivity****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**

not known

**10.4. Conditions to avoid**

not known

**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 toxicological effects**

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#### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether				
	oral	LD50 615 mg/kg	@N11.P0000002		
	dermal	LD50 435 mg/kg	Rabbit		
	inhalative (4 h) vapour	LC50 20 mg/l	Rat		
	inhalative (4 h) aerosol	LC50 20 mg/l	Rat		
	inhalative (4 h) gas	LC50 450 ppm	Rat		
34590-94-8	Dipropylenglykolmethylether				
	oral	LD50 5135 mg/kg	Ratte		
	dermal	LD50 9500 mg/kg	Ratte		
	inhalative (4 h) vapour	LC50 55-60 mg/l	Ratte		

#### Irritation and corrosivity

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

#### 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.

## SECTION 12: Ecological information

### 12.1. Toxicity

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 mg/l	1474	96 h	Oncorhynchus mykiss	
	Acute algae toxicity	ErC50 mg/l	1840	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50 mg/l	1550	48 h	Daphnia magna	
	Fish toxicity	NOEC mg/l	>100	21 d	Brachydanio rerio	
	Crustacea toxicity	NOEC	100 mg/l	21 d	Daphnia magna	
34590-94-8	Dipropylenglykolmethylether					
	Acute fish toxicity	LC50 mg/l	>10000	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50	969 mg/l	96 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50 mg/l	1919	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			
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether			
		90 %	28	
	Easily biodegradable.			
34590-94-8	Dipropylenglykolmethylether			
	DOC Elimination	> 70 %		

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	0,81

#### 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.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation.

##### 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

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**Waste disposal number of 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**

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

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**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)**

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

**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.)*