

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-Graffiti Ex P

Revision date: 28.11.2019

Product code: 22112

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

1.1. Product identifier

RHEOSOL-Graffiti Ex P

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

Use of the substance/mixture

lösemittelhaltiger Graffitientferner für Plexiglasoberflächen

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
 Aspiration hazard: Asp. Tox. 1
 Serious eye damage/eye irritation: Eye Dam. 1
 Specific target organ toxicity - single exposure: STOT SE 3
 Hazard Statements:
 Flammable liquid and vapour.
 May be fatal if swallowed and enters airways.
 Causes serious eye damage.
 May cause drowsiness or dizziness.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

1-methoxy-2-propanol; monopropylene glycol methyl ether
 C 11 - C 13 Isoparaffin
 Isotridecylalcohol-Ethoxylate 7

Signal word: Danger

Pictograms:



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Hazard statements

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use kein Wasser to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.

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]	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	60 - < 65 %
	203-539-1	
	01-2119457435-35	
	Flam. Liq. 3, STOT SE 3; H226 H336	
90622-58-5	C 11 - C 13 Isoparaffin	35 - < 40 %
	920-901-0	
	01-2119456810-40	
	Flam. Liq. 3, Asp. Tox. 1; H226 H304 EUH066	
9043-30-5	Isotridecylalcohol-Ethoxylate 7	5 - < 10 %
	Eye Dam. 1; H318	

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

Remove contaminated, saturated clothing immediately. 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. Consult doctor if feeling unwell.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

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After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. 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**

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 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. Wear a self-contained breathing apparatus and chemical protective clothing.

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

Avoid contact with skin and eyes. 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**

Avoid contact with skin, eyes an clothing. Keep away from sources of ignition. - No smoking.

Advice on protection against fire and explosion

Product is flammable. Do not spray on hot surfaces.

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

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight., frost.

Further information on storage conditions

Maximum storage temperature: 25°C

SECTION 8: Exposure controls/personal protection

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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

8.2. Exposure controls

Appropriate engineering controls

Avoid leakages in dosage systems

Protective and hygiene measures

Consider conventional precautions for chemical handling.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

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

Protective apron.

Respiratory protection

Respiratory protection necessary at:

aerosol or mist generation.

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:	colourless
Odour:	odourless
pH-Value:	non-applicable
Changes in the physical state	
Melting point:	not determined
Initial boiling point and boiling range:	120 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	32 °C
Sustaining combustion:	Not sustaining combustion
Flammability	
Solid:	not determined

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Gas:	not determined
Lower explosion limits:	0,6 vol. %
Upper explosion limits:	13,1 vol. %
Vapour pressure: (at 20 °C)	13,3 hPa
Vapour pressure: (at 50 °C)	60 hPa
Density (at 20 °C):	0,85 g/cm ³
Solvent content:	60,00 %

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

This material is combustible, but will not ignite readily.

10.4. Conditions to avoid

In case of warming: Risk of selfignition.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

Carbon monoxide Carbon dioxide (CO₂).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

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

Harmful: may cause lung damage if swallowed.

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
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	
90622-58-5	C 11 - C 13 Isoparaffin				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>5000	Rabbit	
9043-30-5	Isotridecylalcohol-Ethoxylate 7				
	oral	LD50 mg/kg	>2000	Rat	
	dermal	LD50 mg/kg	>2000	Rabbit	

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: 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

May cause drowsiness or dizziness. (1-methoxy-2-propanol; monopropylene glycol methyl ether)

STOT-repeated exposure

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

Aspiration hazard

May be fatal if swallowed and enters airways. (C 11 - C 13 Isoparaffin)

Specific effects in experiment on an animal

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

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.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
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	
90622-58-5	C 11 - C 13 Isoparaffin					
	Acute fish toxicity	LC50 >100 mg/l	96 h			
9043-30-5	Isotridecylalcohol-Ethoxylate 7					
	Acute fish toxicity	LC50 > 1 - 10 mg/l	96 h	Cyprinus carpio	OECD 203	
	Acute algae toxicity	ErC50 > 1 - 10 mg/l		Desmodesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50 > 1 - 10 mg/l	48 h	Daphnia magna	OECD 202	

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.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

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

No information available.

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 questions exist, contact the appropriate agencies.

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

Contaminated packaging

Restmengen und nicht wieder verwendbare Lösungen einem anerkannten Entsorgungsunternehmen zuführen.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

UN 3092

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14.2. UN proper shipping name: 1-METHOXY-2-PROPANOL

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Classification code: F1

Limited quantity: 5 L

Excepted quantity: E1

Transport category: 3

Hazard No: 30

Tunnel restriction code: D/E

Inland waterways transport (ADN)

14.1. UN number: UN 3092

14.2. UN proper shipping name: 1-METHOXY-2-PROPANOL

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Classification code: F1

Limited quantity: 5 L

Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 3092

14.2. UN proper shipping name: 1-METHOXY-2-PROPANOL

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Special Provisions: -

Limited quantity: 5 L

Excepted quantity: E1

EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3092

14.2. UN proper shipping name: 1-METHOXY-2-PROPANOL

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



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Limited quantity Passenger:	10 L
Passenger LQ:	Y344
Excepted quantity:	E1
IATA-packing instructions - Passenger:	355
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	366
IATA-max. quantity - Cargo:	220 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

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):

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

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

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

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Asp. Tox. 1; H304	Calculation method
Eye Dam. 1; H318	Calculation method
STOT SE 3; H336	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.

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H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.)