

**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 16.12.2020 (GB) Version 1.7

**Bremsenreiniger**

1001267x



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

**1.1. Product identifier**

**Name of product** Bremsenreiniger  
Art-Nr 1001267x

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

**Identified uses**

**Sector of uses [SU]**

SU0 - Other

**Product categories [PC]**

Solvents

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer/distributor** EUROLUB GmbH  
Freisingerstraße 25-27, D-85386 Eching b. München  
Phone +49 8165 9591-0, Fax +49 8165 9591-210  
E-Mail info@eurolub.com  
Internet www.eurolub.com

**1.4. Emergency telephone number**

**Emergency advice** Phone +49 8165 9591-0  
This number is only available at office times.

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**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

**Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

**Hazard statements for environmental hazards**

H411 Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 16.12.2020 (GB) Version 1.7

**Bremsenreiniger**

1001267x

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



GHS02



GHS07



GHS08



GHS09

**Signal word**

Danger

**Hazard statements for physical hazards**

H225 Highly flammable liquid and vapour.

**Hazard statements for health hazards**

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

**Hazard statements for environmental hazards**

H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**General**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

**Prevention**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

**Response**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

P370 + P378 In case of fire: Use foam for extinction.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents / container in accordance with local regulations.

**Hazardous ingredients for labelling**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**2.3. Other hazards**

**Results of PBT and vPvB assessment**

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

**SECTION 3: Composition/ information on ingredients**

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
110-54-3	203-777-6	n-hexane	1 - 5	Flam. Liq. 2, H225 / Repr. 2, H361f / Asp. Tox. 1, H304 / STOT RE 2, H373 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411
	921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	90 - 100	

**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 16.12.2020 (GB) Version 1.7

**Bremsenreiniger**

1001267x



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**REACH**

CAS No	Name	REACH registration number
	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	01-2119475514-35

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**  
30 % and more aliphatic hydrocarbons

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**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the event of persistent symptoms receive medical treatment.

Take affected person into fresh air.

Do not leave casualty unattended.

Take away from danger area and lay down affected person.

**In case of inhalation**

Remove the casualty into fresh air and keep him immobile.

In case of inhalation remove the casualty into fresh air and seek medical advice.

**In case of skin contact**

In case of contact with skin wash off with soap and water.

Remove contaminated clothing immediately, even underwear and shoes.

**In case of eye contact**

In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

**In case of ingestion**

Do not induce vomiting.

If swallowed by mistake drink plenty of water and seek medical treatment.

Rinse out mouth thoroughly with water.

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

**Physician's information / possible symptoms**

Eye defects

vomiting

Headache

Nausea

Dizziness

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

**Treatment (Advice to doctor)**

no

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

**Unsuitable extinguishing media**

Full water jet

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## Safety Data Sheet according to Regulation (EC)

### No. 1907/2006 (REACH)

Revision 16.12.2020 (GB) Version 1.7

#### Bremsenreiniger

1001267x



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#### 5.2. Special hazards arising from the substance or mixture

In fires, hazardous combustion gases are formed:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

#### 5.3. Advice for firefighters

##### Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

##### Additional information

Collect contaminated firefighting water separately, must not be discharged into the drains.

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### SECTION 6: Accidental release measures

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

##### For non-emergency personnel

Ensure adequate ventilation.

Remove persons to safety.

#### 6.2. Environmental precautions

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

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

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

##### Additional Information

Informations for personal protective equipment see chapter 8.

#### 6.4. Reference to other sections

No information available.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

In case of free handling thoroughly sucking off vapours is necessary.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Use explosion-protected equipment / fittings.

##### General protective measures

Do not inhale vapours.

Do not inhale gases/vapours/aerosols.

##### Hygiene measures

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Work in rooms with good ventilation.

Keep away from food and drink.

##### Advice on protection against fire and explosion

The product is combustible.

Vapours can form an explosive mixture with air.

## Safety Data Sheet according to Regulation (EC)

### No. 1907/2006 (REACH)

Revision 16.12.2020 (GB) Version 1.7

#### Bremsenreiniger

1001267x



#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Store in heated containers.

##### Further information on storage conditions

Keep container tightly closed and store at cool and aired place.

Protect from heat and direct solar radiation.

Protect from heat/overheating.

**Storage group** 3

**Fire class** B

#### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
110-54-3	n-hexane	8 hours	72	20	

##### biological limits (TRGS 903)

CAS No	Name	Parameter	BGW	Examination material	Test date
110-54-3	Hexan (n-Hexan)	2,5-Hexandion plus 4,5-Dihydroxy-2-hexanon (nach Hydrolyse)	5 mg/l	U	b

#### 8.2. Exposure controls

##### Respiratory protection

In case of insufficient ventilation or long-term effect use breathing apparatus.

##### Hand protection

Gloves (solvent-resistant)

##### Eye protection

safety goggles with side protection

##### Other protection measures

Solvent-resistant protective clothing

##### Appropriate engineering controls

No data available

## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

liquid

##### Colour

colourless, clear

##### Odour

like paraffine

##### Odour threshold

**Safety Data Sheet according to Regulation (EC)****No. 1907/2006 (REACH)**

Revision 16.12.2020 (GB) Version 1.7

**Bremsenreiniger**

1001267x



not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling range</b>	80 - 110 °C		1013 hPa		
<b>Melting point / Freezing point</b>	not determined				
<b>Flash point</b>	-20 °C			DIN 51755	
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	250 °C				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	0,8 Vol-%				
<b>Upper explosion limit</b>	6,5 Vol-%				
<b>Vapour pressure</b>	not determined				
<b>Relative density</b>	0,714 g/cm <sup>3</sup>				
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>	not determined				
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity kinematic</b>	< 20,5	40 °C			
<b>Solvent content</b>	100 %				

**Oxidising properties**

No information available.

**Explosive properties**

No information available.

**9.2. Other information**

flammable liqjud

## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Revision 16.12.2020 (GB) Version 1.7

Bremsenreiniger

1001267x



### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

No information available.

#### 10.3. Possibility of hazardous reactions

Formation of explosive gas/air mixtures.

#### 10.4. Conditions to avoid

Thermal decomposition can lead to the escape of irritating gases and vapours.

#### 10.5. Incompatible materials

##### Substances to avoid

Alkali (lye), concentrated

Acid, concentrated

Oxidising agent, strong

#### 10.6. Hazardous decomposition products

No information available.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg	rat		
<b>LD50 acute dermal</b>	> 2000 mg/kg	rat		
<b>Skin irritation</b>		No information available.		
<b>Eye irritation</b>		No information available.		
<b>Skin sensitization</b>		No information available.		
<b>Sensitization respiratory system</b>		No information available.		

##### Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
<b>Mutagenicity</b>	No data available			
<b>Reproduction-Toxicity</b>				Indications of toxic effects are available from reproduction studies in animals.

## Safety Data Sheet according to Regulation (EC)

### No. 1907/2006 (REACH)

Revision 16.12.2020 (GB) Version 1.7

#### Bremsenreiniger

1001267x



Value	Species	Method	Validation
<b>Carcinogenicity</b>			No indications of carcinogenic effects are available from long-term trials.
<b>Specific target organ toxicity (single exposure)</b> No information available.			
<b>Specific target organ toxicity (repeated exposure)</b> No information available.			
<b>Aspiration hazard</b> May be fatal if swallowed and enters airways.			

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

Value	Species	Method	Validation
NOEC 1 - 10 mg/l	Fish		
NOEC 1 - 10 mg/l	Daphnia		
NOEC 10 - 100 mg/l	Algae		

### 12.2. Persistence and degradability

Elimination rate	Method of analysis	Method	Validation
			readily degradable

#### Biological degradability

### 12.3. Bioaccumulative potential

Because of the n-octanol/water distribution coefficient (log K<sub>ow</sub>) accumulation in organisms is possible.

### 12.4. Mobility in soil

not determined

### 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

#### Waste code No.

07 01 04\*

#### Name of waste

other organic solvents, washing liquids and mother liquors

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

#### Recommendations for the product

Remove in accordance with local official regulations.

#### General information

no



**Safety Data Sheet according to Regulation (EC)  
No. 1907/2006 (REACH)**

Revision 16.12.2020 (GB) Version 1.7

**Bremsenreiniger**

1001267x



**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	3295	3295	3295
<b>14.2. UN proper shipping name</b>	HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	HYDROCARBONS, LIQUID, N.O. S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)	Hydrocarbons, liquid, n.o. s. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
<b>14.3. Transport hazard class(es)</b>		3	3
<b>14.4. Packing group</b>	II	II	II
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

no

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

No information available.

**Land and inland navigation transport ADR/RID**

Hazard label(s) 3

Tunnel restriction code D/E

Special provisions 640D

Classification code F1

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Other regulations (EU)**

Regulation (EC) No 648/2004 (Detergents regulation).

**VOC standard**

**VOC content** 100 %  
**VOC value** 714 g/L

**National regulations**

**Restriction of occupation**

No information available.

**Water hazard class** 2 self-classification

**15.2. Chemical Safety Assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

**Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 1.6

## Safety Data Sheet according to Regulation (EC)

### No. 1907/2006 (REACH)

Revision 16.12.2020 (GB) Version 1.7

#### Bremsenreiniger

1001267x



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H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
H411	Toxic to aquatic life with long lasting effects.