



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 29.09.2020 (GB) Version 1.5
Bremsen- und Teilereiniger liquid

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

1.1. Product identifier

Name of product Bremsen- und Teilereiniger liquid

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

! Recommended intended purpose(s)

Cleaning of surfaces

Degreasing surfaces

1.3. Details of the supplier of the safety data sheet

Manufacturer

F.W.Klever
Hauptstraße 20, D-84168 Aham
Phone +49 (0) 8744 96 99 10, Fax + 49 (0) 8744 96 99 96

E-Mail info@ballistol.de

Internet www.ballistol.de

Advice

Qualitätssicherung
Phone +49 (0) 8744 96 99 30

E-mail (competent person):

info@ballistol.de

1.4. Emergency telephone number

Emergency advice

Dr.Zettler (Werktags von 8.00 Uhr bis 16.00 Uhr) oder
Giftnotrufzentrale 022819240
Phone +49 (0) 8744 96 99 30

! 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. 1	H224	
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Skin Irrit. 2	H315	
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STOT SE 3	H336	
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Aquatic Chronic 3		
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Hazard statements for physical hazards

H224 Extremely flammable liquid and vapour.

! Hazard statements for health hazards

H315 Causes skin irritation.

H319 Causes serious eye 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



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 29.09.2020 (GB) Version 1.5
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Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07



GHS09

Signal word

Danger

Hazard statements for physical hazards

H224 Extremely flammable liquid and vapour.

! Hazard statements for health hazards

H315 Causes skin irritation.

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Precautionary Statements

! General

P102 Keep out of reach of children.

! Prevention

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

P233 Keep container tightly closed.

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

! Response

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

! Disposal

P501 Dispose of contents/container to recycling

2.3. Other hazards

No information available.

! 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]
64-17-5	200-578-6	Ethanol vergällt	> 30	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 (eyes)



ES WIRKT.

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! SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Ensure fresh air.

In the event of symptoms refer for medical treatment.

In case of skin contact

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

Consult a doctor if skin irritation persists.

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 troubles appear bring to a medical treatment

Rinse out mouth thoroughly with water.

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

Treatment (Advice to doctor)

Treat symptoms.

! SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Carbon dioxide

Water spray jet

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂)

Vapours may form explosive mixtures with air

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply (isolated).

Additional information

Cool endangered containers with water spray jet.

Heating leads to pressure increase and risk of cracking



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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.
Use personal protective clothing.
Keep away sources of ignition.
Do not breath vapour or spray.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

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

Do not spray into flames or ignition sources

General protective measures

Avoid contact with eyes and skin
Do not inhale aerosols

Hygiene measures

At work do not eat, drink, smoke or take drugs.
Storing of food in workroom forbidden.
Wash hands before breaks and after work.
Use barrier skin cream.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking
Protect aerosols from temperatures exceeding 50°C/ 122°F
Do not open with force or incinerate, even when empty

7.2. Conditions for safe storage, including any incompatibilities

Advice on storage compatibility

Do not store together with food.

Further information on storage conditions

Protect from extreme heat and cold.
Keep cool.

Storage group 2B

7.3. Specific end use(s)

No information available.



ES WIRKT.

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) revision 29.09.2020 (GB) Version 1.5 Bremsen- und Teilereiniger liquid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

The following applies to propane in general: If the concentration is exceeded, closed-circuit breathing apparatuses must be used

Use filter apparatus type AX, identification colour brown according to EN 371

Hand protection

Gloves (solvent-resistant)

Eye protection

With demand: protective glasses

Other protection measures

protective clothing

Limitation and surveillance of the environment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid, emulsion

Colour

colourless, clear

Odour

fruity

Odour threshold

not determined

Important health, safety and environmental information

Table with 6 columns: Property, Value, Temperature, at, Method, Remark. Rows include pH value, Boiling temperature / boiling range, Melting point / Freezing point, Flash point, Vapourisation rate, Flammable (solid), Flammability (gas), Ignition temperature, and Self ignition temperature.



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	Value	Temperature	at	Method	Remark
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure		20 °C			
Relative density	ca. 0,74 g/cm ³	20 °C	1013 mbar	pycnometer	
Vapour density	not determined				
Solubility in water					immiscible
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				

Oxidising properties
No information available.

Explosive properties
No information available.

9.2. Other information
No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No information available.

10.2. Chemical stability
No information available.

10.3. Possibility of hazardous reactions
No information available.

10.4. Conditions to avoid
Formation of explosive gas/air mixtures.
Container under pressure. Protect from direct exposure to sunlight and temperatures exceeding 50°C/122°F.

10.5. Incompatible materials
Substances to avoid
Reactions with strong oxidising agents.

10.6. Hazardous decomposition products
No hazardous decomposition products known.

Additional information
Product is stable under normal storage conditions



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! SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	7060 mg/kg	rat		Information concerns to main component.
LC50 acute inhalation	95,6 mg/l (4 h)	rat		Details refer to the main component

Toxicity test (Additional information)

There is no risk in normal operational use. When used and handled according to instructions, the product does not have any harmful effects to our experience and the information available to us.

Experiences made from practice

Frequent persistent contact with the skin may cause skin irritation.

Additional information

The product has not been tested. The information is derived from the properties of the individual components.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Daphnia	EC50 > 9000 g/m ³ (48 h)	Daphnia magna		There is no risk in a normal operational application

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

General regulation

Do not allow uncontrolled leakage of product into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

14 06 03*

Name of waste

other solvents and solvent mixtures

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



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Recommendations for the product
Disposal according to local regulations

Recommendations for packaging
Totally emptied packaging may be taken for recycling.
Barrel: return by DSD (Dualistic System Germany)

! SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1993	1993	1993
14.2. UN proper shipping name	Flammable liquid, N.A.G. (Ethanol)	Flammable liquid, n.o.s. (Ethanol)	Flammable liquid, n.o.s. (Ethanol)
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	II	II
14.5. Environmental hazards	No	No	No

14.6. Special precautions for user
No information available.

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 2 (D/E)
Classification code 3

! Transport/further information
Including 5,000 ml limited Amount

SECTION 15: Regulatory information

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

Other regulations (EU)

Observe regulation 98/24/EC for employee health protection against the threat of chemical substances in the workplace.

Aerosol directive (75/324/EEC).

National regulations

Restriction of occupation

Observe employment restrictions for young people.

Water hazard class 1 value from literature



ES WIRKT.

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15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

The information shall be considered in this data accurate and up-to-date knowledge of the revision date. They do not guarantee the adherence of certain features in the sense of legally binding.

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: 1.4

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.