



ES WIRKT.

Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)
revision 22.09.2020 (GB) Version 4.5
Bremsen- und Teilereiniger

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

1.1. Product identifier

Name of product Bremsen- und Teilereiniger

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

Recommended intended purpose(s)

Cleaning of 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
Aerosol 1	H222, H229	
Skin Irrit. 2	H315	
STOT SE 3	H336	
Aquatic Chronic 2	H411	

Hazard statements for physical hazards

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

! 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



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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

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.

! 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.

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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P271 Use only outdoors or in a well-ventilated area.

! Response

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER/doctor/.../if you feel unwell.
P391 Collect spillage.

! Storage

P405 Store locked up.

! Disposal

P501 Dispose of contents/container to recycling

Hazardous ingredients for labeling

Naphtha (Erdöl), mit Wasserstoff behandelt (64742-49-0)

2.3. Other hazards

No information available.

SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Hazardous ingredients



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Hazardous ingredients (continued)

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
64-17-5	200-578-6	ethanol	>= 10	Flam. Liq. 2, H225
74-98-6	200-827-9	propane	< 15	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	< 30	Flam. Gas 1, H220 / Press. Gas
64742-49-0	921-024-6	Naphtha (Erdöl), mit Wasserstoff behandelt, leicht	ca. 35	Flam. Liq. 2, H225 / Skin Irrit. 2, H315 / STOT SE 3, H336 / Aquatic Chronic 2, H411

REACH

CAS No	Name	REACH registration number
64742-49-0	Naphtha (Erdöl), mit Wasserstoff behandelt, leicht	01-2119475514-35

Additional advice

Aerosol: Propellant propane/butane gas

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



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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

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 breathe 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



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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.

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

aerosol

Colour

colourless, clear

Odour

fruity

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling range	ca. 80 °C				
Melting point / Freezing point	not determined				
Flash point	ca. 12 °C				information for solvent



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	Value	Temperature	at	Method	Remark
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	ca. 425 °C				information concern solvent
Self ignition temperature	not determined				
Lower explosion limit	ca. 3,5 Vol-%				information concern solvent
Upper explosion limit	ca. 15 Vol-%				information concern solvent
Vapour pressure	ca. 59 hPa	20 °C			The data refer to the solvent
Relative density	ca. 0,74 g/cm ³	20 °C	1013 mbar		
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.



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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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	10470 mg/kg	rat	OECD 401	Information concerns to main component.
LC50 acute inhalation	124,7 mg/l (4 h)	rat	OECD 403	Data refers to the haupt component

Toxicity test (Additional information)

Er is geen risico in een normale operationele toepassing

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
Fish	LC50 8140 g/m3 (48 h)	Leuciscus idus		There is no risk in a normal operational application
Daphnia	EC50 9268 - 14221 g/m3 (48 h)	Daphnia magna		There is no risk in a normal operational application
Algae	IC5 5000 g/m3 (7 d)	Scenedesmus quadricauda		There is no risk in a normal operational application

12.2. Persistence and degradability



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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.

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	1950	1950	1950
14.2. UN proper shipping name	Druckgaspackung	Aerosols	Aerosols, flammable
14.3. Transport hazard class(es)	2	2	2.1
14.4. Packing group	-	-	-
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



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No information available.

Land and inland navigation transport ADR/RID

tunnel restriction code D

Classification code 5F

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

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: 4.4

H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.