

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

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

1.1. Product identifier

Name of product Bremsenreiniger Polo 750ml
Art-Nr 31-43679

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

Identified uses

Sector of uses [SU]

SU21 - Consumer uses: Private households (= general public = consumers)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product categories [PC]

PC35 - Washing and cleaning products (including solvent based products)

Process categories [PROC]

PROC11 - Non industrial spraying

Article categories for substances in articles with intended release

AC40 - Other articles with intend release of substances:

Environmental release categories [ERC]

ERC10b - Wide dispersive outdoor use of long-life articles and materials with high or intended release (including abrasive processing)

Recommended intended purpose(s)

cleaner

Effect of the substance / the mixture

Mixture of hydrocarbons.

1.3. Details of the supplier of the safety data sheet

Distributor POLO Motorrad und Sportswear GmbH
Polostr. 1, D-41363 Jüchen
Phone +49 2165 8440-200
E-Mail info@polo-motorrad.com
Internet www.polo-motorrad.com

1.4. Emergency telephone number

Manufacturer A&L Jeubis NV
Lichtenberglaan 2076
3800 Brustem
Telefon +32 11 69 81 91
<http://www.jeubis.com/>

Advice Aerox AG
Telefon+49 (0) 2445 / 85155-100
Telefax +49 (0) 2445 /
85155-111
info@aeroxag.com

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

1.4. Emergency telephone number

Emergency advice

Aerox AG

Telefon +49 (0) 2445 – 85155-0

This number is only available at office times.

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 Statements Hazard Classification procedure categories

Aerosol 1	H222, H229
Skin Irrit. 2	H315
STOT SE 3	H336
Asp. Tox. 1	
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.
H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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.
H336 May cause drowsiness or dizziness.

Hazard statements for environmental hazards

H411 Toxic to aquatic life with long lasting effects.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

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.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Do not breath aerosols.
P264 Wash ... thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302 + P352 IF CONTACT ON SKIN: Wash with plenty of water / soap.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P410 + P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.

Disposal

P501 Dispose of empty container for recycling.

Hazardous ingredients for labeling

butane, isobutane, Naphtha (petroleum), hydrotreated light; Low boiling point hydrogen treated naphtha, propane

Supplemental Hazard information (EU)

Physical properties

In use may form flammable/explosive vapour-air mixture.

Health properties

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Adverse physicochemical effects

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Adverse human health effects and symptoms

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

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

3.2. Mixtures

Hazardous ingredients

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
74-98-6	200-827-9	propane	<= 10	Flam. Gas 1, H220 / Press. Gas
75-28-5	200-857-2	isobutane	15 - 30	Flam. Gas 1, H220 / Press. Gas
106-97-8	203-448-7	butane	<= 2	Flam. Gas 1, H220 / Press. Gas
64742-49-0	265-151-9	Naphta (petroleum), hydrotreated light, Low boiling point hydrogen treated naphta	50 - 70	Asp.Tox.,1, H304 / Skin Irrit. 2, H315 / Flam. Liq. 2, H225 / STOT SE 3, H336 / Aqu. Chron. 2, H411

REACH

CAS No	Name	REACH registration number
74-98-6	propane	01-2119486944-21-XXXX

REACH (continued)

CAS No	Name	REACH registration number
75-28-5	isobutane	01-2119486944-21-XXXX
106-97-8	butane	01-2119486944-21-0006

Labelling for contents according to regulation (EC) No 648/2004, annex VII

30 % and more aliphatic hydrocarbons

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the event of persistent symptoms receive medical treatment.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

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.

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

not applicable

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

Physician's information / possible symptoms

Disorientation

Unconsciousness

Nausea

Confusion

Physician's information / possible dangers

Risk of reduced reactions (sedative)

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

Dry fire-extinguishing substance

Water spray jet

Unsuitable extinguishing media

Strong water jet

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison. In the event of fire the following can be released: Carbon monoxide (CO)

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Wear full protective clothing.

Additional information

Cool endangered containers with water spray jet.

Shown danger refers to the contents of the cans standing under pressure. Above 50 °C danger of burst under emission of atmosphere capable of explosion . Bring out containers from fire area. Collect contaminated firefighting water separately, must not be discharged into the drains.

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.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

6.2. Environmental precautions

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

Prevent spread over a wide area (e.g. by containment or oil barriers).

Suppress gases/vapours/mists with water spray jet

6.3. Methods and material for containment and cleaning up

Pump off larger quantity.

Do not distribute with water.

Send in suitable containers for recovery or disposal.

Allow rests to evaporate.

Take up soaked earth.

Additional Information

Inform authorities if an exposition of the general public or the environment appears or is likely.

Informations for personal protective equipment see chapter 8.

Informations for disposal see chapter 13.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

6.4. Reference to other sections

No information available.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only in thoroughly ventilated areas.

See notes of Chapter 15

General protective measures

Avoid contact with eyes and skin

Do not inhale aerosols

Hygiene measures

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

At work do not eat, drink and smoke.

Before work use solvent-resistant skin protection preparation.

Keep away from food and drink.

Keep away from tobacco.

Wash hands and skin before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition

The heavy vapours may bridge a long distance to source of ignition.

Vapours can form an explosive mixture with air.

Risk of explosion if the liquid enters the sewage system.

Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Advice on storage compatibility

Do not store with combustible materials.

Further information on storage conditions

Store closed container at cool and aired place.

Protect aerosols against fall over.

Protect containers from falling down.

Storage temperature between 0°C to 30°C (=32°F to 86°F), maximum 50°C (=122°F).

Information on storage stability

maximum storage time: 3 years.

Storage group 2B

Fire class B

7.3. Specific end use(s)

Recommendation(s) for intended use

See section 1.2

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
--------	------	------	---------	-------	--------

8.2. Exposure controls

Respiratory protection

Breathing apparatus in the event of high concentrations.

Short term: filter apparatus, filter A

Hand protection

Information to the glove material [long-term contact: nbr /short-term contact, hose protection: pvc, neoprene)

Eye protection

safety goggles

Other protection measures

no

Appropriate engineering controls

not applicable

9.1. Information on basic physical and chemical properties

Appearance

aerosol can (data refer to the

Colour

colourless, clear contents).

Odour

like petrol (gasoline)

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not applicable				
Acid number	not applicable				
not applicable	not determined				
not applicable	not determined				
Flash point	< 21 °C			closed cup	information for solvent
Vapourisation rate	not determined				
Flammable (solid)	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

**Self ignition
temperature**

> 350 °C

DIN 51794

Lower explosion limit

0,8 Vol-%

Upper explosion limit

11,2 Vol-%

Vapour pressure

6,5 bar °C

inside pressure of the
aerosol can

Relative density

0,7 - 0,72 g/
cm³

liquid

not applicable

Bulk density

SECTION 9: Physical and chemical properties

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

	Value	Temperature	at	Method	Remark
Vapour density	not determined				
Solubility in water	no				
Solubility/other	100 %		petrol		
Partition coefficient noctanol/water (log P O/W)	3,4 - 5,2			valid for the solvent, calculated	
Decomposition temperature	not determined				
Viscosity kinematic	< 20,5 mm ² /s	40 °C			
Solvent concentration	< 70 %				
Water content	not determined				

Oxidising properties

no

Explosive properties

may cause explosible air-vap
mixtures

9.2. Other information

Physical dates refer to main
elements.

The physical data refer to the
component/s.

SECTION 10: Stability and reactivity

10.1. Reactivity

Ignition hazard

10.2. Chemical stability

Reactions with strong oxidising agents.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Risk of bursting at temperatures above 50 °C.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

incompletely burned hydrocarbons

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

Carbon dioxide (CO₂)

Carbon monoxide

Additional information No dangerous reaction if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 2000 mg/kg	rat		Information concerns to main component.
LD50 acute dermal	> 2000 mg/kg	rat		
LC50 acute inhalation	> 20 mg/l (4 h)	rat		information refer to the main component
Irritability skin	low irritant effect			
Irritability eye	low irritant			
Skin sensitization	no sensitization known			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Subacute Toxicity	Repeated exposure damages the nervous system.			
Mutagenicity	no mutagenicity activity known			
Reproduction-Toxicity	not determined			
Carcinogenicity	No cancerogenity expected.			

Specific target organ toxicity (single exposure)

STOT SE 3

Experiences made from practice

Has a degreasing effect on the skin.

Inhalation causes headache/nausea.

Inhalation causes impairment of sense of coordination and response time.

Frequent persistent contact with the skin may cause skin irritation.

Inhalation causes narcotic effect/intoxication.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

Additional information

The declarations of toxicology refer to main component.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 10 - 100 mg/l			
Daphnia	EC50 1 - 10 mg/l			
Algae	EC50 1 - 10			
mg/l Bacteria				
	EC50 1 - 10			
mg/l				

12.2. Persistence and degradability

Physicochemical

degradability

Biological

Fast photochemical oxidation in the air.

degradability

The product is inherently biodegradable.

Degradability

Half-life in the environment: 1 - <10 days (estimated)

Biological eliminability

not determined

Degradability according to WRMG

not determined

12.3. Bioaccumulative potential

Bioaccumulation potential possible.

12.4. Mobility in soil

Will absorbed by the soil, has low mobility.

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

Behaviour in sewage plant

not applicable

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

Waste code No.

07 04 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.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

Recommendations for the product

Remove in accordance with local official regulations.

Only completely emptied containers should be recycled.

Recommendations for packaging

Totally emptied packaging may be taken for recycling.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1950	1950	1950
14.2. UN proper shipping name		AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)	2.1	2.1	2.1
14.4. Packing group	-	- No	- No
14.5. Environmental	No hazards		

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) 2.1

tunnel restriction code D

Classification code 5F

Transport/further information

Regulations concerning free quantities are to be observed.

SECTION 15: Regulatory information

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

VOC standard

VOC content -98 %

National regulations

Restriction of occupation

Observe employment restrictions for young people.

Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 28.06.2018

revision 12.02.2018 (GB) Version 1.8

Bremsenreiniger Polo 750ml

Observe employment restrictions for mothers-to-be and nursing mothers.

Water hazard class 1 Mixture-WGK

15.2. Chemical Safety Assessment

No information available.

SECTION 16: Other information

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: 1.7

- H220 Extremely flammable gas.
- 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.
- H411 Toxic to aquatic life with long lasting effects.