



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 1 of 9

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

##### 1.1. Product identifier

Aerosol Brake cleaner (German: Bremsenreiniger)

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

###### Use of the substance/mixture

Aerosol

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

Company name:	POLYTOP GmbH	
Street:	Langenselbolder Str. 8	
Place:	D-63543 Neuberg	
Telephone:	+49-6183-80014-0	Telefax: +49-6183-80014-14
e-mail (Contact person):	info@polytop.de	
Internet:	www.polytop.de	
Responsible Department:	Zentrale Tel. +49-6183-80014-0	

**1.4. Emergency telephone number:** Vergiftungsinformationszentrale Österreich Tel. +43 (0) 1 406 43 43

#### SECTION 2: Hazards identification

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

###### Regulation (EC) No. 1272/2008

Hazard categories:

Aerosol: Aerosol 1

Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes skin irritation.

May cause drowsiness or dizziness.

Toxic to aquatic life with long lasting effects.

Caution! Container under pressure.

Inhalation causes narcotic effects/intoxication.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn, even after use.

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

aliphatic hydrocarbons (n-Hexan <5%)

**Signal word:** Danger

**Pictograms:**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 2 of 9

#### Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P102	Keep out of reach of children.
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	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to Dieses Produkt und seinen Behälter der Problemabfallentsorgung zuführen. .

#### Special labelling of certain mixtures

Operate if possible out of doors or in a well-ventilated place.  
 Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.  
 Do not open container by force.

#### Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

#### 2.3. Other hazards

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

EU 648/2004: aliphatic hydrocarbons >30% (n-Hexan<5%)

#### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)	80-100 %
	265-151-9	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411	
124-38-9	Carbon dioxide	2,5-10 %
	204-696-9	
	Dissolved gas; H280	

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 3 of 9

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.  
If victim is at risk of losing consciousness, position and transport on their side.  
Seek medical attention if problems persist.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap.  
Take off immediately all contaminated clothing.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
Seek medical attention if problems persist.

#### After ingestion

not relevant (@0901.B090137)

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

No known symptoms to date.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

alcohol resistant foam.  
Extinguishing powder.  
Carbon dioxide (CO<sub>2</sub>).  
Sand.

##### Unsuitable extinguishing media

Water.  
High power water jet.  
Water fog.

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

Vapours may form explosive mixtures with air.  
In case of fire may be liberated: Pyrolysis products, toxic.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers.  
In case of fire and/or explosion do not breathe fumes.

### SECTION 6: Accidental release measures

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

Provide adequate ventilation.  
Remove all sources of ignition.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.  
Suppress gases/vapours/mists with water spray jet.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Do not rinse down with water.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 4 of 9

#### 6.4. Reference to other sections

SECTION 13: Disposal considerations

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Use only in well-ventilated areas.  
Handle and open container with care.

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

Do not spray on naked flames or any incandescent material.  
Keep away from sources of ignition. - No smoking.  
Take precautionary measures against static discharges.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50° C. Do not pierce or burn, even after use.

##### **Further information on handling**

Do not breathe gas/fumes/vapour/spray.

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

##### **Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

##### **Advice on storage compatibility**

No special precautionary measures are necessary.

##### **Further information on storage conditions**

Protect against: moisture.  
Do not store at temperatures over: 50°C  
Keep container tightly closed.  
Keep away from heat.

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

Automotive care products

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
124-38-9	Carbon dioxide	5000	9150		TWA (8 h)	WEL
		15000	27400		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### **Protective and hygiene measures**

Caution! Container under pressure.  
Heating causes rise in pressure with risk of bursting.  
Keep away from food, drink and animal feedingstuffs.  
Remove contaminated, saturated clothing immediately.  
Wash hands before breaks and after work.  
Do not breathe gas/fumes/vapour/spray.  
Avoid contact with skin and eyes.

##### **Eye/face protection**

Tightly sealed safety glasses.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 5 of 9

#### Hand protection

Tested protective gloves are to be worn:

NBR (Nitrile rubber). >0,7mm

Breakthrough times and swelling properties of the material must be taken into consideration. >240min

Unsuitable material: NR (Natural rubber (Caoutchouc), Natural latex). PVC (Polyvinyl chloride). PVA (Polyvinyl alcohol). CR (polychloroprenes, Chloroprene rubber). Viton

#### Skin protection

Body protection: not required.

#### Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

Filtering device with filter or ventilator filtering device of type: A/P2

## SECTION 9: Physical and chemical properties

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

Physical state:	Aerosol
Colour:	not relevant
Odour:	product-specific

#### Test method

pH-Value: not applicable

#### Changes in the physical state

Melting point: not relevant

Initial boiling point and boiling range: not relevant

Flash point: not applicable

#### Explosive properties

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

Lower explosion limits: 1,1 vol. %

Upper explosion limits: 7,3 vol. %

#### Oxidizing properties

not oxidizing.

Vapour pressure: 3500 hPa  
(at 20 °C)

Vapour pressure: 7500 hPa  
(at 50 °C)

Density: not relevant

Water solubility: insoluble

Solvent content: 95%

### 9.2. Other information

Pressurised container: May burst if heated.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No risks worthy of mention.

### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 6 of 9

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### 10.4. Conditions to avoid

Caution! Container under pressure.  
Heating causes rise in pressure with risk of bursting.

#### 10.5. Incompatible materials

not relevant

#### 10.6. Hazardous decomposition products

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

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)			
	oral	LD50 >2000 mg/kg	Rat	
	dermal	LD50 >2000 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50 >20 mg/l	Rat	

##### Irritation and corrosivity

Irritating to skin.  
Irritant effect on the eye: Not an irritant.

##### Practical experience

##### Other observations

Has de-greasing effect on the skin.  
After cleaning apply high-fat content skin care cream.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Toxic for Fish.

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h]   [d]	Species	Source
64742-49-0	naphtha (petroleum), hydrotreated light, Note J+P Annrx VI (EG1272/2008)				
	Acute fish toxicity	LC50 1-10 mg/l	96 h		
	Acute algae toxicity	ErC50 10-100 mg/l			
	Acute crustacea toxicity	EC50 1-10 mg/l	48 h		

#### 12.2. Persistence and degradability

Solvent. + Aerosol propellant. : Abiotic degradation in Air

#### 12.3. Bioaccumulative potential

No indication of bio-accumulation potential.

#### 12.4. Mobility in soil

No data available

#### 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 risks worthy of mention.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 7 of 9

#### Further information

- Do not allow to enter into soil/subsoil.
- Do not allow to enter into surface water or drains.
- Does not enter into waste water by proper application.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation.

##### Waste disposal number of waste from residues/unused products

- 150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances  
Classified as hazardous waste.

##### Waste disposal number of contaminated packaging

- 150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

##### Contaminated packaging

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

- 14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1



- Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0  
 Transport category: 2  
 Tunnel restriction code: D

#### Other applicable information (land transport)

E0

#### Inland waterways transport (ADN)

- 14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
 Hazard label: 2.1

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 8 of 9



Classification code: 5F  
 Special Provisions: 190 327 344 625  
 Limited quantity: 1 L  
 Excepted quantity: E0

#### Other applicable information (inland waterways transport)

E0

#### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Marine pollutant: no  
 Special Provisions: 63, 190, 277, 327, 344, 959  
 Limited quantity: 1000 mL  
 EmS: F-D, S-U

#### Other applicable information (marine transport)

E0

#### Air transport (ICAO)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
 Hazard label: 2.1



Special Provisions: A145 A167 A802  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y203  
 Excepted quantity: E0  
 IATA-packing instructions - Passenger: 203  
 IATA-max. quantity - Passenger: 75 kg  
 IATA-packing instructions - Cargo: 203  
 IATA-max. quantity - Cargo: 150 kg

#### Other applicable information (air transport)

E0  
 : Y203

#### 14.5. Environmental hazards



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Aerosol Brake cleaner (German: Bremsenreiniger)

Print date: 10.03.2016

Page 9 of 9

ENVIRONMENTALLY HAZARDOUS: yes



Danger releasing substance: aliphatic hydrocarbons (n-Hexan <5%)

#### 14.6. Special precautions for user

Pressurised container: May burst if heated.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

### SECTION 15: Regulatory information

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

##### EU regulatory information

2004/42/EC (VOC): Volatile organic compounds (VOC) in percentage by weight: 95 (670g/l)

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

#### 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): 2,3,4,8,9,12,13,14,15.

#### Relevant H and EUH statements (number and full text)

H222 Extremely flammable aerosol.  
 H225 Highly flammable liquid and vapour.  
 H229 Pressurised container: May burst if heated.  
 H280 Contains gas under pressure; may explode if heated.  
 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.

#### Further Information

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 information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*