

# Safety data sheet

## ABUS PFLEGESPRAY PS88

CH20007A0050  
CH20007A0125

### 1. Identification of the substance/preparation and of the company/undertaking

Revision: 11.02.2011/ RG  
Replaces: 04.08.2009

**Product use:** Combination of mineral-fattyacid esters, against oxidation, wear and corrosion dissolved in petroleum distillate with propane/butane as propellants.

Supplier:

**ABUS August Bremicker Söhne KG**  
**Altenhofer Weg 25**

**58300 Wetter**

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**(Mo-Do 07.15-16.45; Fr 07.15-15.00)**

**Email: info@abus.de**

### 2. Hazards identification

Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking.

#### Additional information

Preparation classified as hazardous in the sense of directive 1999/45/EC.

Danger of bursting (explosion) when heated. When using: development of explosive vapour/air mixture possible.

### 3. Composition/information on ingredients

Einecs no.	CAS No.	Substances	Classification	w/w%
265-150-3	64742-48-9	Naphtha (petroleum), hydrotreated heavy	R10 Xn;R65 R66 R67	25-50
265-151-9	64742-49-0	Naphtha (petroleum), hydrotreated light (< 0,1% benzene)	F; R11 Xn;R65 Xi;R38 N;R51/53 R67	5-10
265-185-4	64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	Xn;R65 R66	1-5

Please see section 16 for the full text of the R-phrases

### 4. First aid measures

#### Inhalation

Seek fresh air. Seek medical advice in case of persistent discomfort.

#### Ingestion

Do not induce vomiting. Seek medical advice immediately.

#### Skin

Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of persistent discomfort.

#### Eyes

Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice if irritation persists and show this safety data sheet to the doctor.

### 5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air. ATTENTION! Spray cans may explode.

### 6. Accidental release measures

Use the same personal protection as for item 8. Provide ventilation. Mop up splashes with a cloth and dispose as for adequate item 13. Smoking and naked flames prohibited.

### 7. Handling and storage

#### Handling

Please see item 8 for information on personal protection. Smoking and naked flames prohibited.

#### Storage

Store in a cool, dry place. Container under pressure. Must be protected from sunlight. Do not expose to temperatures above 50°C.

### 8. Exposure controls/ personal protection

#### Precautions for use

Wash hands before breaks, before using restroom facilities, and at the end of work.

#### Respiratory protection

Not necessary, if well ventilated.

During working processes with risk for inhalation of vapours from the product, respiratory equipment with filter A should be used.

#### Gloves and protective clothing

Wear protective nitrile gloves (EN 374)

#### Eye protection

Tight fitting protective goggles with side protection (EN 166)

#### Occupational exposure limits

Ingredients	Exposure limit	Remarks
Naphtha (petroleum), hydrotreated heavy	200 ppm 1000 mg/m <sup>3</sup>	-
Naphtha (petroleum), hydrotreated light (< 0,1% benzene)	200 ppm 1000 mg/m <sup>3</sup>	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	DFG
Isobutane (contains <= 0.1% Butadiene)	1000 ppm 2400 mg/m <sup>3</sup>	DFG
Butane	1000 ppm 2400 mg/m <sup>3</sup>	DFG

(EH40/2002 Occupational Exposure Limits 2002)

#### Remarks

DFG: German Research association

#### Control methods

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

### 9. Physical and chemical properties

Physical state: Aerosol	Solubility in water: insoluble
Colour: light brown	Partition coefficient n- Octanol/water (log Pow):not checked
Odour: solvent like	Flash point: -80°C
pH: not checked	Flammability: not checked
Boiling point: not checked	Ignition point: ca. 200 °C
Density 20°C: 0,815 g/ml (active agent)	Limits of explosion: 0,8 - 11,2 % v/v
Pressure 20°C: 2,7 bar	Viscosity: not applicable
Vapour Density: (Air=1)not checked	Fat solubility: not checked

### 10. Stability and reactivity

Conditions to avoid:

Pressure increase will result in danger of bursting.

Heating, open flame, ignition sources.

Materials to avoid:

Avoid contact with other chemicals.

## 11. Toxicological information

### **Acute**

#### **Inhalation**

The product releases vapours from organic solvents, which may cause lethargy and dizziness. At high concentrations vapours may cause headaches and intoxication.

#### **Ingestion**

No data available.

#### **Skin contact**

Degreases and dries skin. Repeated exposure may cause skin dryness or cracking.

#### **Eye contact**

May irritate the eye.

### **Long-term effects**

## 12. Ecological information

Avoid discharge into drains or surface water.

### **Persistence and degradability**

According to the recipe, contains no AOX.

## 13. Disposal considerations

EWC: 16 05 04 gases in pressure containers (including halons) Pay attention to local and national official regulations.

For contaminated packing material:

15 01 04 metallic packing

15 01 01 paper and cardboard packaging

## 14. Transport information

Transport has to take place in accordance with national and/or international rules for transport of dangerous goods on road, rail, sea and flight according to ADR, RID, IMDG and IATA.

**IATA:** UN 1950 ; AEROSOLS; FLAMMABLE ; 2.1 ;

**ADR:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ; ;

**IMDG:** UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number: -

Flash point: -80°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

## 15. Regulatory information



Extremely flammable

**Hazard designation:** Extremely flammable

**Hazard symbols:** F+

**Contains**

-

### R-phrases

Extremely flammable. (R12)

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R52/53)

Repeated exposure may cause skin dryness or cracking. (R66 )

### S-phrases

Do not breathe spray. (S23)

Avoid contact with skin. (S24)

Do not empty into drains, dispose of this material and its container in a safe way. (S29/35)

Use only in well ventilated areas. (S51)

### Other labelling

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

Without sufficient ventilation formation of explosive mixtures may be possible

### Chemical safety assessment

## 16. Other information

### Restrictions on use

None

### Training requirement

No special training is necessary but a thorough knowledge of this safety data sheet is assumed.

### Line of business

Automotive trade

### Packaging

50ml; 125ml;

### Sources used

This safety data sheet was prepared on the basis of current EU legislation.  
Verordnung (EG) Nr. 1907/2006, Anhang II

### Other information

VOC-CH: 0,077 kg / 125 ml

0,031 kg / 50 ml

VOC 1999/13/EG: 83,7 % w/w (125 ml)

85,0 % w/w (50 ml)

This safety data sheet was prepared on the basis of information from the supplier on the product (e.g. material data sheets and the like).

### Full text of the R-phrases that are stated in section 3.

R10 Flammable.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

R11 Highly flammable.

R38 Irritating to the skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### Amendments have been made in the following sections

4,8,9,11,14,15,16

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