

# Safety data sheet

**ABUS PFLEGESPRAY**

CH20007A0125

CH20027A0050

## 1. Identification of the substance/preparation

Prepared on: 06.05.2004/ KR

Replaces:

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

Manufacturer/importer/distributor:

**TUNAP Industrie Chemie GmbH & Co**

**Bürgermeister-Seidl-Str. 2**

**D-82515 Wolfratshausen**

**Tel:08171/16000 Fax:08171/160072**

## 2. Composition/information on ingredients

Einecs No.	CAS No.	Designation	Classification	w/w%
203-448-7	106-97-8	butane	Fx;R12	1-5
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
200-857-2	75-28-5	isobutane (containing <= 0.1% butadiene)	Fx;R12	15-30
200-827-9	74-98-6	propane	Fx;R12	1-5

3) R65 does not apply as the product is an aerosol  
*Please see item 16 for the wording of R-phrases*

## 3. 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:

Prolonged or repeated inhalation of vapours may damage the central nervous system. Vapours and air may form explosive mixtures.

## 4. First-aid measures

### By inhalation:

Seek fresh air. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.

### By ingestion:

Rinse mouth thoroughly and then drink plenty of water. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.

### By skin contact:

Remove contaminated clothes. Wash skin with water and soap. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.

### By eye contact:

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

### By burns:

Rinse with water until pain stops. Remove clothes which do not adhere to the body - seek medical advice; if possible continue rinsing until doctor takes over treatment.

## 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.

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**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 safely, out of reach of children and not together with food, animal feeding stuffs, medicines, etc. Container under pressure. Must be protected from sunlight. Do not expose to temperatures above 50°C.

**8. Exposure controls/ personal protection****Design of technical systems:**

Work must be done with effective process ventilation (e.g. local extractor fan). There must be access to running water and eye wash. Wash hands before breaks and toilet visits and after work. Smoking and naked flames prohibited.

**Respiratory protection:**

The product contains liquids with a low boiling point which are absorbed poorly by charcoal filters. Breathing apparatus supplying fresh air should be used.

**Hand and body protection:**

Wear protective gloves of type nitrilrubber.

**Eye protection:**

Wear eye/face protection.

**Occupational exposure limits:**

Substance	Exposure limit	Remarks
Naphtha (petroleum), hydrotreated heavy	(8h TWA), 109 (15 min) mg/m <sup>3</sup>	-
Naphtha (petroleum), hydrotreated light (< 0,1% benzene)	200 ppm 1000 mg/m <sup>3</sup>	-
butane	200 ppm 1000 mg/m <sup>3</sup>	-
	600 (8h TWA), 750 (15 min) ppm 1450 (8h TWA), 1810 (15 min) mg/m <sup>3</sup>	

(EH40/2002 Occupational Exposure Limits 2002)

**Control methods:**

The exposure limits stated can be checked through occupational hygiene measurements.

**9. Physical and chemical properties**

Appearance: Aerosol, brown

Solubility in water: Insoluble

Vapour pressure: 3200 mbar/20 °C

Explosive properties (vol% in air): 0,8-6

**10. Stability and reactivity**

The product is stable if used in accordance with supplier's instructions. Avoid sunlight or temperatures above 50°C.

**11. Toxicological information****Immediate effects****Inhalation:**

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

**Ingestion:**

May irritate mucous membranes in mouth and stomach/intestine.

**Skin contact:**

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

**Eye contact:**

May irritate the eye.

**Long-term effects****Risk of damage to the central nervous system:**

Prolonged or repeated inhalation of vapours may damage the central nervous system.

**12. Ecological information****Ecological information for the product**

Avoid discharge into drains or surface water.

**Ecotoxicity:**

The product contains small quantities substances which are dangerous for the environment.

**13. Disposal considerations**

Do not dispose of partly used or empty spray cans in refuse collection. Deliver spray cans to the local disposal facility for chemical waste.

**Aerosol sprays:**

EWC code: 16 05 04 Gases in pressure tanks containing dangerous cargo.

**Wiping cloths with organic solvents:**

EWC code: 15 02 02 Absorbing solutions, filter materials, wiping cloths and protection clothes polluted with dangerous cargo.

**14. Transport information**

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

UN	Proper shipping name	Class	Packaging grp.	ADR/RID IMDG
1950	AEROSOLS	2 2.1	- -	

Classification code: 5F Label ADR/RID: 2.1\* Risk No.: -

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

Transport according to section 1.1.3.6.3:

Factor: 3. Maximum total quantity each transported unit: 333 kg.

\* Is to be labelled: "UN 1950 AEROSOL"

Limited quantities:

ADR/RID: Max. 30 kg each package. With shrink or stretch foil the limit is 20 kg each package.

IMDG: Max. 30 kg gross package. With shrink or stretch foil the limit is 20 kg each package.

## 15. Regulatory information



Extremely flammable

**Hazard designation:**

Extremely flammable

**Danger symbols:**

Fx

**Containing:**

-

**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:**

Keep away from sources of ignition - No smoking. (S16)

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). (S23)

Avoid contact with the skin. (S24)

Use only in well ventilated areas. (S51)

**Other information:**

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.

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## 16. Other information

**Restrictions in use:**

None

**Training advise:**

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

**Line of business:**

Automotive trade

**Packaging:**

400 ml

**Sources used:**

Approved guide to the classification and labelling of substances and preparations dangerous for supply (fifth edition) 2002.

Approved Supply List (Seventh edition).

Transport regulations for ADR/RID 2003 edition and IMDG 2003 edition.

Commission decision. List of wastes 2001/118/EC

The compilation of safety data sheets (third edition): Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Approved Code of Practice.

**Other information:**

VOC-CH: 0,23 kg/400 ml

VOC 1999/13/EG: 82,3 % w/w

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).

**Wording of R-phrases in item 2:**

R10 Flammable.

R11 Highly flammable.

R12 Extremely flammable.

R38 Irritating to the skin.

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

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

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