

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 07.06.2018

Revision: 07.06.2018

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

- **1.1 Product identifier**
- **Trade name:** *ARDAP Flea-Spray*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Biocide - PT 18
Insecticide
BAuA-Reg.-Nb.: N-70333 (for Germany only)
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Quiko GmbH Heimtierprodukte
Franzstr. 95
D-46395 Bocholt
Tel.: +49 (0) 2871 -2487-0 | Fax: -66
Internet: www.quiko.de
E-mail: info@quiko.de
- **Further information obtainable from:**
Sales Department (via central phone number)
Tel.: +49 (0) 2871 -2487-0
- **1.4 Emergency telephone number:**
Central phone number
Tel.: +49 (0) 2871 -2487-0

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

· **2.2 Label elements**

- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS09

- **Signal word** *Danger*
- **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H410 Very toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
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.
P260 Do not breathe spray.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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P501 Dispose of contents / container as special waste.

Additional information:

Contains Permethrin (ISO), (R)-p-mentha-1,8-diene / d-Limonene, Citral. May produce an allergic reaction.

2.3 Other hazards**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures**Description:**

Mixture of organic solvents, propellant (LPG), biocidal active ingredients, fragrance.

Contains: 8,2 g/kg (0,82%) Permethrin; 16,5 g/kg (1,65%) Piperonylbutoxide; 0,6 g/kg (0,06%) Pyriproxyfen; 0,5 g/kg (0,05%) Pyrethrines (from natural pyrethrin extract)

Dangerous components:

CAS: 75-28-5 EINECS: 200-857-2 Reg.nr.: 01-2119485395-27	isobutane (<0,1% butadiene) Flam. Gas 1, H220; Press. Gas C, H280	50-100%
EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2.5-10%
CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319	2.5-10%
CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	Propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	2.5-10%
CAS: 51-03-6 EINECS: 200-076-7	2-(2-butoxyethoxy)ethyl 6-propylpiperonylether Aquatic Chronic 2, H411	1.65%
CAS: 52645-53-1 EINECS: 258-067-9	Permethrin (ISO) Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=1000); Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Sens. 1, H317	0.82%
CAS: 5989-27-5 EINECS: 227-813-5 Reg.nr.: 01-2119529223-47	(R)-p-mentha-1,8-diene / d-Limonene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.25-≤1%
CAS: 110-54-3 EINECS: 203-777-6	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	≥0.1-≤0.25%
CAS: 8003-34-7 EINECS: 232-319-8	Pyrethrins and Pyrethroids Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Acute Tox. 4, H332	0.05%
CAS: 95737-68-1 ELINCS: 429-800-1	2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0.06%
CAS: 5392-40-5 EINECS: 226-394-6	Citral Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<1%

Additional information: For the wording of the listed hazard phrases refer to section 16.

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SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with water and soap
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Seek medical treatment.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** Risk of bursting in case of fire heat
- **5.3 Advice for firefighters**
- **Protective equipment:** Wear fully protective suit.
- **Additional information** Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid contact with skin / eyes and inhalation.
Keep sources of ignition (flames, sparks, etc.) away. Do not use engines near by (potential source of ignition)
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Keep away all sources of ignition (machines, etc.)
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Do not eat, drink or smoke when using the product.
Wash hands after using the product.
- **Information about fire - and explosion protection:**
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Recommended storage temperature:** 15 - 35°C, max. 50°C
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes, <5% n-hexane

TWA (8H) (Great Britain)	Long-term value: 1000 mg/m ³ , 250 ppm
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64-17-5 ethanol

WEL (Great Britain)	Long-term value: 1920 mg/m ³ , 1000 ppm
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67-63-0 Propan-2-ol

WEL (Great Britain)	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm
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110-54-3 n-hexane

WEL (Great Britain)	Long-term value: 72 mg/m ³ , 20 ppm
IOELV (EU)	Long-term value: 72 mg/m ³ , 20 ppm

8003-34-7 Pyrethrins and Pyrethroids

WEL (Great Britain)	Long-term value: 1 mg/m ³
IOELV (EU)	Long-term value: 5 mg/m ³

· DNELs

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes, <5% n-hexane

Oral	DNEL Endverbraucher/ Consumers /Consommateur	699 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	699 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	773 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	608 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	2,035 mg /m3 (.)

67-63-0 Propan-2-ol

Oral	DNEL Endverbraucher/ Consumers /Consommateur	26 mg/kg BW/ day (.)
Dermal	DNEL - Endverbraucher/ Consumers /Consommateur	319 mg/kg BW /day (.)
	DNEL Arbeiter / Workers/ Travailleur	888 mg/kg BW /day (.)
Inhalative	DNEL Endverbraucher/ Consumers /Consommateur	89 mg /m3 (.)
	DNEL Arbeiter / Workers/ Travailleur	500 mg /m3 (.)

- **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

Measurement of the concentration must be done in accordance with DIN EN 482 and DIN EN 689.

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing

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- Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not necessary if room is well-ventilated.
 - **Protection of hands:**
 - **Material of gloves** If contamination is possible, use gloves made of nitrile according EN 374
 - **Penetration time of glove material** > 480 min / 0,4 mm thickness
 - **Eye protection:** Safety glasses in case of spittings

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

- | | |
|---------------------------|-----------------|
| · Form: | Aerosol |
| · Colour: | Colourless |
| · Odour: | lemon-like |
| · Odour threshold: | Not determined. |

- | | |
|--------------------|-----------------|
| · pH-value: | Not applicable. |
|--------------------|-----------------|

· Change in condition

- | | |
|---------------------------------------------------|---------------------------------------|
| · Melting point/freezing point: | Undetermined. |
| · Initial boiling point and boiling range: | -11°C
value concerns to propellant |

- | | |
|-----------------------|--------------------------------|
| · Flash point: | 13°C
concerns to propellant |
|-----------------------|--------------------------------|

- | | |
|-------------------------------------|-----------------|
| · Flammability (solid, gas): | Not applicable. |
|-------------------------------------|-----------------|

- | | |
|--------------------------------|-------|
| · Ignition temperature: | 250°C |
|--------------------------------|-------|

- | | |
|-------------------------------------|-----------------|
| · Decomposition temperature: | Not determined. |
|-------------------------------------|-----------------|

- | | |
|-------------------------------------|------------------------------|
| · Auto-ignition temperature: | Product is not selfigniting. |
|-------------------------------------|------------------------------|

- | | |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| · Explosive properties: | Risk of bursting at temperatures > 50°C. Damage of the container may lead to the formation of explosive mixtures of gas/vapors with air. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

· Explosion limits:

- | | |
|--------------------------|-------------------------------------------------|
| · Lower: | 1.8 Vol % |
| · Upper: | 8.5 Vol % |
| | The explosion limits concern to the propellant. |
| · Pressure (20°C) | 2 - 4 bar |

- | | |
|---------------------------|-------------------------------|
| · Density at 20°C: | 0.60 - 0.62 g/cm ³ |
|---------------------------|-------------------------------|

- | | |
|---------------------------|-----------------|
| · Relative density | Not determined. |
|---------------------------|-----------------|

- | | |
|-------------------------|-----------------|
| · Vapour density | Not determined. |
|-------------------------|-----------------|

- | | |
|---------------------------|-----------------|
| · Evaporation rate | Not applicable. |
|---------------------------|-----------------|

· Solubility in / Miscibility with water:

Not miscible or difficult to mix.

- | | |
|--------------------------------------------------|-----------------|
| · Partition coefficient: n-octanol/water: | Not determined. |
|--------------------------------------------------|-----------------|

· Viscosity:

- | | |
|---------------------|-----------------|
| · Dynamic: | Not determined. |
| · Kinematic: | Not determined. |

· Solvent content:

- | | |
|----------------------------|----------|
| · Organic solvents: | ca. 22 % |
| · VOC (EC) | 96.30 % |

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|---------------------------------|--------------------------------------------|
| · 9.2 Other information | No further relevant information available. |
| · Additional information | Vapors are heavier than air. |

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** Risk of bursting at temperatures >50°C.
- **10.3 Possibility of hazardous reactions**
By use or incidental release the formation of explosive vapor/air mixtures is possible.
- **10.4 Conditions to avoid**
Temperatures >50°C
Avoid the use in the near of ignition sources.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.
- **Additional information:** Stable for a storage time of min. 24 months

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

75-28-5 isobutane (<0,1% butadiene)

Inhalative	LC50/4 h	>20 mg/l (rat)
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Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes, <5% n-hexane

Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>25 mg/l (rat)

64-17-5 ethanol

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

67-63-0 Propan-2-ol

Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50/4 h	30 mg/l (rat)

51-03-6 2-(2-butoxyethoxy)ethyl 6-propylpiperonylether

Oral	LD50	7,181 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5.9 mg/l (rat)

52645-53-1 Permethrin (ISO)

Inhalative	LC50/4 h	2.3 mg/l (rat)
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5989-27-5 (R)-p-mentha-1,8-diene / d-Limonene

Oral	LD50	4,400 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** low
- **Serious eye damage/irritation** low
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cycloalkanes, <5% n-hexane

LC 50 / 96 h	<10 mg / l (fis)
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64-17-5 ethanol

LC 50 / 96 h	8,150 mg / l (gol)
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5989-27-5 (R)-p-mentha-1,8-diene / d-Limonene

EC 50 / 48h	0.4 mg / l (daphnia)
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8003-34-7 Pyrethrins and Pyrethroids

EC 50 / 48h	12 mg / l (daphnia)
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LC 50 / 96 h	0.0052 mg / l (Regenbogenforelle / Rainbow trout)
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- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

Ecotoxicological effects:

· **Remark:** Very toxic for fish

Additional ecological information:

General notes:

Also poisonous for fish and plankton in water bodies.

Very toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

empty cans: material recycling

filled cans: remove in accordance with local regulations

European waste catalogue

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
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16 05 00	gases in pressure containers and discarded chemicals
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16 05 04*	gases in pressure containers (including halons) containing hazardous substances
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Uncleaned packaging:

· **Recommendation:** Disposal must be made according to official regulations.

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SECTION 14: Transport information

· 14.1 UN-Number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS (Permethrin (ISO)), MARINE POLLUTANT AEROSOLS, flammable
· 14.3 Transport hazard class(es) · ADR	
· Class · Label	2 5F Gases. 2.1
· IMDG	
· Class · Label	2.1 2.1
· IATA	
· Class · Label	2.1 2.1
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: 2-(2-butoxyethoxy)ethyl 6-propylpiperonylether, Permethrin (ISO)
· Marine pollutant:	Yes Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: · Stowage Code	Warning: Gases. - F-D,S-U SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

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· **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**
 · **Limited quantities (LQ)** IL
 · **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity
 · **Transport category** 2
 · **Tunnel restriction code** D
 · **Remarks:** Transportation as "LIMITED QUANTITIES" according 3.4 ADR is possible.
 Sole marking: Sign for "Limited Quantities" (rhombus with two black edges)
 Entry in the transportation document: Transportation according chapter 3.4 ADR
 Tunnel category "E" in case of a load of 8000 kg (rgross weight) or more.
 Hazardous goods under the transport regulations listed above may be subject to special regulations. For details please consult the relevant transport regulations

· **IMDG**
 · **Limited quantities (LQ)** IL
 · **Excepted quantities (EQ)** Code: E0
 Not permitted as Excepted Quantity

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category**

E1 Hazardous to the Aquatic Environment

P3a FLAMMABLE AEROSOLS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

Class	Share in %
I	0.2
NK	20.7

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· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - VOC: Volatile Organic Compounds (USA, EU)
 - DNEL: Derived No-Effect Level (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Flam. Gas 1: Flammable gases – Category 1
 - Aerosol 1: Aerosols – Category 1
 - Press. Gas C: Gases under pressure – Compressed gas
 - Flam. Liq. 2: Flammable liquids – Category 2
 - Flam. Liq. 3: Flammable liquids – Category 3
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - Skin Sens. 1: Skin sensitisation – Category 1
 - Repr. 2: Reproductive toxicity – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 - Asp. Tox. 1: Aspiration hazard – Category 1
 - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- *** Data compared to the previous version altered.**