

Safety data sheet

according to UK REACH

Printing date 18.03.2025



Version number 4.0 (replaces version 3.0)

Revision: 18.03.2025

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

- **1.1 Product identifier**
- **Trade name: DORMAKABA CLEANER PUMPSPRAY**
- **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** Only for proper handling.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
dormakaba Schweiz AG
Mühlebühlstrasse 23
8623 Wetzikon
Tel: + 41 848 85 86 87
Fax + 41 44 931 63 85
www.dormakaba.com/ch-de
dormakaba Tiverton Office
Lower Moor Way
EX16 6SS Tiverton, Devon
Phone +44 1884 256464
www.dormakaba.com/gb-en
- **Further information obtainable from:** info.gb@dormakaba.com
- **1.4 Emergency telephone number:**
In case of a medical emergency following exposure to a chemical, the public should call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Regulation (EC) No 1272/2008**
Flam. Liq. 2 H225 Highly flammable liquid and vapour.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
 - **2.2 Label elements**
 - **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the GB CLP regulation.
 - **Hazard pictograms**
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- GHS02 GHS07
- **Signal word** Danger
 - **Hazard-determining components of labelling:**
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics
White mineral oil (petroleum)
cyclopentane
 - **Hazard statements**
H225 Highly flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
 - **Precautionary statements**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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- P240 Ground and bond container and receiving equipment.
 P241 Use explosion-proof [electrical/ventilating/lighting] equipment.
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTER/doctor if you feel unwell.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts, Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-. 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 Mixtures**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

EC number: 919-857-5 Reg.nr.: 01-2119463258-33	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066	50-70%
CAS: 8042-47-5 EINECS: 232-455-8 Reg.nr.: 01-2119487078-27	White mineral oil (petroleum) Asp. Tox. 1, H304	10-25%
CAS: 287-92-3 EINECS: 206-016-6 Index number: 601-030-00-2 Reg.nr.: 01-2119463053-47	cyclopentane Flam. Liq. 2, H225; Asp. Tox. 1, H304; STOT SE 3, H336; Aquatic Chronic 3, H412	5-10%
EC number: 939-603-7	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts Skin Sens. 1B, H317 Specific concentration limit: Skin Sens. 1B; H317: C ≥ 10.01 %	≥1-≤2.5%
CAS: 268567-32-4 ELINCS: 434-070-2 Reg.nr.: 01-2119658068-31	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl- Eye Dam. 1, H318; Skin Sens. 1B, H317; Aquatic Chronic 3, H412	≥0.25-<1%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥30%
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- **Additional information:**

Note L: The classification as carcinogen does not apply because the mixture (or substance) contains less than 3% dimethyl sulfoxide extract (DMSO), measured according to IP 346.

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:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
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).
Dispose contaminated material as waste according to section 13.
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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
The recommended storage temperature is (deg.C): -10 - +50°C
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Storage class:** 3

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· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs****Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics**

Oral	DNEL/general population/Systemic effects/Long-term	300 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	300 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	300 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	1,500 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	900 mg/m3 (consumer)

8042-47-5 White mineral oil (petroleum)

Dermal	DNEL / Workers / Systemic effects / Long-term	220 mg/kg/24h (worker)
Inhalative	DNEL / Workers / Systemic effects / Long-term	160 mg/m3 (worker)

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

Oral	DNEL/general population/Systemic effects/Long-term	2.5 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	25 mg/kg/24h (worker)
	DNEL/Workers/local effects/acute-short term	1.04 mg/cm2 (worker)
	DNEL/general population/Systemic effects/Long-term	12.5 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	35.26 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	8.7 mg/m3 (consumer)

268567-32-4 Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

Oral	DNEL/general population/Systemic effects/Long-term	0.6 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	1.25 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.6 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	4.4 mg/m3 (worker)
	DNEL/Workers/Systemic effects/acute-short term	4.4 mg/m3 (consumer)
	DNEL/general population/Systemic effects/Long-term	1.1 mg/m3 (consumer)
	DNEL/general pop/Systemic effects/acute-short term	1.1 mg/m3 (consumer)

· **PNECs****Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts**

PNEC / Aquatic organisms / Freshwater	0.1 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.1 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	1 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	1,000 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	45,211 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	45,211 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	36,740 mg/kg (terrestrial organisms)

268567-32-4 Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

PNEC / Aquatic organisms / Freshwater	0.072 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	0.0072 mg/l (aquatic organisms)
PNEC/Aquatic org/intermittent releases(freshwater)	0.38 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	10 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	23 mg/kg (aquatic organisms)

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PNEC / Aquatic organisms / Sediment (marine water)	2.3 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	4.54 mg/kg (terrestrial organisms)

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

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection**



safety goggles

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Liquid

· **Colour:**

Grey

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Highly flammable.

· **Lower and upper explosion limit**

· **Lower:**

0.0 Vol %

· **Upper:**

0.0 Vol %

· **Flash point:**

9 °C

· **Auto-ignition temperature:**

0 °C (DIN 51794)

· **Decomposition temperature:**

Not determined.

· **pH**

Not determined.

· **Viscosity:**

· **Kinematic viscosity**

< 3 mm²/s @ 40 °C (DIN 51562-1)

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· Consistency	
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Heat Capacity	
· Vapour pressure at 20 °C:	2,100 hPa
· Density and/or relative density	
· Density at 20 °C:	0.796 g/cm ³ (ASTM D 4052)
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Fluid
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Change in condition	
· Solidification point:	-42 °C
· Evaporation rate	Not determined.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

· **Acute toxicity** Based on available data, the classification criteria are not met.

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

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Oral	LD50	5,000-15,000 mg/kg (rat)
	NOAEL	1,000-5,000 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)
	NOAEL	200 ppm (rat)
Inhalative	LC50 / 8h	41-4,467 ppm (rat)
	LC50 / 8h	5 mg/l (rat) (OECD 403)
	NOAEC	275-10,400 mg/m ³ (rat)

8042-47-5 White mineral oil (petroleum)

Oral	LD50	5,000 mg/kg (rat)
	NOEL	20-20,000 ppm (rat)
	NOAEL	1,200 mg/kg/24h (rat)
	NOAEL	20,000 ppm (rat)
Dermal	LOEL	20-2,000 ppm (rat)
	LD50	2,000 mg/kg (rabbit)
	NOAEL	125-2,000 mg/kg/24h (rat)
Inhalative	LC50 / 4h	1,000 mg/kg/24h (rabbit)
	LC50 / 4h	5 mg/l (rat)
	NOEL	50 mg/m ³ (rat)
	LOEL	210 mg/m ³ (rat)

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

Oral	LD50	10,000-20,000 mg/kg (rat) (OECD 401)
	NOAEL	500 mg/kg/24h (rat)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 402)
	NOAEL	1,000 mg/kg/24h (rat)
Inhalative	LC50 / 4h	1.9 mg/l (rat) (OECD 403)
	NOAEL	50 mg/m ³ (rat)

268567-32-4 Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

Oral	LD50	2,000 mg/kg (rat)
	NOEL	20 mg/kg/24h (rat)
	NOAEL	100-125 mg/kg/24h (rat)
	LOAEL	500 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

· **STOT-single exposure** May cause drowsiness or dizziness.

· **Aspiration hazard** May be fatal if swallowed and enters airways.

· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

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SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

LL50	1,000 mg/l/96h (fish)
LL50	1,000 mg/l/72h (fish)
LL50	1,000 mg/l/48h (fish)
LL50	1,000 mg/l/24h (fish)
LL0	100 mg/l/96h (fish)
EL50	1,000 mg/l/48h (aquatic invertebrates)
EL50	1,000 mg/l/24h (aquatic invertebrates)
EL50	1,000 mg/l/72h (algae / cyanobacteria)
EL0	1,000 mg/l/48h (aquatic invertebrates)
NOELR	0.131 mg/l/28d (fish)
NOELR	0.23 mg/l/21d (aquatic invertebrates)
NOELR	3-100 mg/l/72h (algae / cyanobacteria)

8042-47-5 White mineral oil (petroleum)

LL50	100 mg/l/48h (aquatic invertebrates)
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Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

EC50	10,000 mg/l/3h (microorganisms)
LL50	100 mg/l/96h (fish)
EL50	1,000 mg/l/96h (aquatic algae and cyanobacteria)
EL50	100-1,000 mg/l/48h (aquatic invertebrates)
EL50	100-1,000 mg/l/72h (aquatic algae and cyanobacteria)
EL0	1,000 mg/l/48h (aquatic invertebrates)
NOEC	1,000 mg/l/72h (aquatic algae and cyanobacteria)
NOEC	1,000 mg/l/96h (aquatic algae and cyanobacteria)
NOELR	100 mg/l/72h (aquatic algae and cyanobacteria)
NOELR	100 mg/l/96h (fish)
NOELR	100 mg/l/48d (aquatic invertebrates)

268567-32-4 Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

LC50	38 mg/l/96h (fish)
LC0	27 mg/l/96h (fish)
LC100	54 mg/l/96h (fish)
EC50	100 mg/l/24h (aquatic invertebrates)
EC10	51-66 mg/l/72h (algae / cyanobacteria)
EC50	79-100 mg/l/72h (algae / cyanobacteria)
EC100	100 mg/l/48h (aquatic invertebrates)
EC0	24 mg/l/48h (aquatic invertebrates)
EC50	53 mg/l/48h (aquatic invertebrates)
NOEC	3.6 mg/l/21d (aquatic invertebrates)
NOEC	28 mg/l/72h (algae / cyanobacteria)
NOEC	27 mg/l/96h (fish)
NOEC	100 mg/l/3h (microorganisms)
LOEC	5.3 mg/kg/28d (aquatic invertebrates)

· **12.2 Persistence and degradability** No further relevant information available.

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· 12.3 Bioaccumulative potential

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cycloalkanes, <2% aromatics

Biodegradability 80 % (28d) (Bioaccumulation) (OECD 301 F)

Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

Partition coefficient 6.91 [---] (log Kow) (Bioaccumulation)

268567-32-4 Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-

Partition coefficient 3.9 [---] (log Kow) (Bioaccumulation)

Bioconcentration factor (BCF) <10 BCF (Bioaccumulation)

Biodegradability <10 % (28d) (Biodegradability) (OECD 301 B)

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact waste processors for recycling information.

Return product and/or partially emptied container in original packaging to the point of sale or hand it over to a collection point for special waste.

· Uncleaned packaging:

· Recommendation:

Disposal must be made according to official regulations.

Discharged containers can contain flammable or explosive vapours.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR/RID/ADN, IMDG, IATA UN1993

· 14.2 UN proper shipping name

· ADR/RID/ADN 1993 FLAMMABLE LIQUID, N.O.S. (cyclopentane, Naphtha (petroleum), hydrotreated heavy), special provision 640D

· IMDG, IATA FLAMMABLE LIQUID, N.O.S. (cyclopentane, Naphtha (petroleum), hydrotreated heavy)

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· **14.3 Transport hazard class(es)**

· **ADR/RID/ADN**



· **Class** 3 (F1) Flammable liquids.
 · **Label** 3

· **IMDG, IATA**



· **Class** 3 Flammable liquids.
 · **Label** 3

· **14.4 Packing group**

· **ADR/RID/ADN, IMDG, IATA** II

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Warning: Flammable liquids.

· **Hazard identification number (Kemler code):** 33

· **EMS Number:** F-E, S-E

· **Stowage Category** B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR/RID/ADN**

· **Limited quantities (LQ)** 1L

· **Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **Transport category** 2

· **Tunnel restriction code** D/E

· **IMDG**

· **Limited quantities (LQ)** 1L

· **Excepted quantities (EQ)** Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN 1993 FLAMMABLE LIQUID, N.O.S.
(CYCLOPENTANE, NAPHTHA (PETROLEUM),
HYDROTREATED HEAVY), 3, II

SECTION 15: Regulatory information

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

· **Poisons Act**

· **Regulated explosives precursors**

None of the ingredients is listed.

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· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

· Reportable poisons

None of the ingredients is listed.

· Directive 2012/18/EU
· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has 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.

The classification of the mixture was carried out by calculation in accordance with the rules laid down in Annex I of Regulation (EC) No 1272/2008.

No special training instructions to ensure protection of human health and environment are required.

· purity requirement
· Relevant phrases

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Abbreviations and acronyms:

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· * Data compared to the previous version altered.

Annex: Exposure scenario 1

· Short title of the exposure scenario Industrial use of sprays

· Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

· Product category

PC14 Metal surface treatment products

PC34 Textile dyes, and impregnating products

· Process category PROC11 Non industrial spraying

· Environmental release category

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

· Description of the activities / processes covered in the Exposure Scenario

See section 1 of the annex to the Safety Data Sheet.

· Conditions of use
· Duration and frequency 5 workdays/week.

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- **Physical parameters**
- **Physical state** *Fluid*
- **Concentration of the substance in the mixture** *The substance is main component.*
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** *No special measures required.*
- **Other operational conditions affecting consumer exposure** *Not required.*
- **Other operational conditions affecting consumer exposure during the use of the product** *Not applicable.*
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** *No special measures required.*
- **Technical protective measures** *No special measures required.*
- **Personal protective measures** *No special measures required.*
- **Measures for consumer protection** *No special measures required.*
- **Environmental protection measures**
- **Air** *No special measures required.*
- **Water** *No special measures required.*
- **Disposal measures** *Ensure that waste is collected and contained.*
- **Disposal procedures** *Dispose of product residues with household waste.*
- **Waste type** *Partially emptied and uncleaned packaging*
- **Exposure estimation**
- **Consumer** *Not relevant for this Exposure Scenario.*
- **Guidance for downstream users** *No further relevant information available.*

Annex: Exposure scenario 2

- **Short title of the exposure scenario** *Professional use of sprays*
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- **Product category**
PC14 Metal surface treatment products
PC34 Textile dyes, and impregnating products
- **Process category** *PROC11 Non industrial spraying*
- **Environmental release category**
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** *5 workdays/week.*
- **Physical parameters**
- **Physical state** *Fluid*
- **Concentration of the substance in the mixture** *The substance is main component.*
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** *No special measures required.*
- **Other operational conditions affecting consumer exposure** *Not required.*
- **Other operational conditions affecting consumer exposure during the use of the product** *Not applicable.*
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** *No special measures required.*
- **Technical protective measures** *No special measures required.*
- **Personal protective measures** *No special measures required.*
- **Measures for consumer protection** *No special measures required.*
- **Environmental protection measures**
- **Air** *No special measures required.*
- **Water** *No special measures required.*

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- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 3

- **Short title of the exposure scenario** Private use of sprays
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category**
PC14 Metal surface treatment products
PC34 Textile dyes, and impregnating products
- **Process category** PROC11 Non industrial spraying
- **Environmental release category**
ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
ERC8d Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 4

- **Short title of the exposure scenario** Industrial use of cleaning agents
- **Sector of Use**
SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

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Trade name: DORMAKABA CLEANER PUMPSPRAY

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PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

PROC15 Use as laboratory reagent

· **Environmental release category**

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

· **Conditions of use**

· **Duration and frequency** 5 workdays/week.

· **Physical parameters**

· **Physical state** Fluid

· **Concentration of the substance in the mixture** The substance is main component.

· **Other operational conditions**

· **Other operational conditions affecting environmental exposure** No special measures required.

· **Other operational conditions affecting consumer exposure** Not required.

· **Other operational conditions affecting consumer exposure during the use of the product**

Not applicable.

· **Risk management measures**

· **Worker protection**

· **Organisational protective measures** No special measures required.

· **Technical protective measures** No special measures required.

· **Personal protective measures** No special measures required.

· **Measures for consumer protection** No special measures required.

· **Environmental protection measures**

· **Air** No special measures required.

· **Water** No special measures required.

· **Disposal measures** Ensure that waste is collected and contained.

· **Disposal procedures** Dispose of product residues with household waste.

· **Waste type** Partially emptied and uncleaned packaging

· **Exposure estimation**

· **Consumer** Not relevant for this Exposure Scenario.

· **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 5

· **Short title of the exposure scenario** Professional use of cleaning agents

· **Sector of Use**

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

· **Product category** PC35 Washing and cleaning products (including solvent based products)

· **Process category**

PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.

PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities

PROC10 Roller application or brushing

PROC11 Non industrial spraying

PROC13 Treatment of articles by dipping and pouring

PROC15 Use as laboratory reagent

· **Environmental release category**

ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

· **Description of the activities / processes covered in the Exposure Scenario**

See section 1 of the annex to the Safety Data Sheet.

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- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.
- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

Annex: Exposure scenario 6

- **Short title of the exposure scenario** Private use of cleaning agents
- **Sector of Use** SU21 Consumer uses: Private households / general public / consumers
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Process category**
 - PROC1 Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.
 - PROC2 Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
 - PROC8a Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
 - PROC8b Transfer of substance or mixture (charging and discharging) at dedicated facilities
 - PROC10 Roller application or brushing
 - PROC11 Non industrial spraying
 - PROC13 Treatment of articles by dipping and pouring
- **Environmental release category**
 - ERC8a Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
- **Description of the activities / processes covered in the Exposure Scenario**
See section 1 of the annex to the Safety Data Sheet.
- **Conditions of use**
- **Duration and frequency** 5 workdays/week.
- **Physical parameters**
- **Physical state** Fluid
- **Concentration of the substance in the mixture** The substance is main component.
- **Other operational conditions**
- **Other operational conditions affecting environmental exposure** No special measures required.
- **Other operational conditions affecting consumer exposure** Not required.
- **Other operational conditions affecting consumer exposure during the use of the product**
Not applicable.
- **Risk management measures**
- **Worker protection**
- **Organisational protective measures** No special measures required.

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Trade name: DORMAKABA CLEANER PUMPSPRAY

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- **Technical protective measures** No special measures required.
- **Personal protective measures** No special measures required.
- **Measures for consumer protection** No special measures required.
- **Environmental protection measures**
- **Air** No special measures required.
- **Water** No special measures required.
- **Disposal measures** Ensure that waste is collected and contained.
- **Disposal procedures** Dispose of product residues with household waste.
- **Waste type** Partially emptied and uncleaned packaging
- **Exposure estimation**
- **Consumer** Not relevant for this Exposure Scenario.
- **Guidance for downstream users** No further relevant information available.

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