

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

1.1 Product identifier

Trade name: **MOTO QUICK CLEANER**

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.

Cleaning material/ Detergent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

MOTOREX AG

Bern-Zürich-Strasse 31, Postfach

CH-4901 Langenthal

Tel. +41 (0)62 919 75 75

www.motorex.com

Further information obtainable from: msds@motorex.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. 3 H226 Flammable liquid and vapour.

Aquatic Chronic 3 H412 Harmful 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 GB CLP regulation.

Hazard pictograms



GHS02

Signal word Warning

Hazard statements

H226 Flammable liquid and vapour.

H412 Harmful 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.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground and bond container and receiving equipment.

P241 Use explosion-proof [electrical/ventilating/lighting] equipment.

P242 Use non-sparking tools.

P273 Avoid release to the environment.

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].

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P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**

- Contains biocidal products: propan-2-ol

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
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- **vPvB:**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
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SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**

- **Description:** Mixture of substances

- **Dangerous components:**

CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	≥5-<10%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	2.5-7.5%
CAS: 519142-86-0	Silicone Quaternium-17 Aquatic Chronic 2, H411	2.5-7.5%
CAS: 541-02-6 EINECS: 208-764-9 Reg.nr.: 01-2119511367-43	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane Non-classified vPvB substance. Non-classified PBT substance. Substance identified as having endocrine disrupting properties (II).	≥0-≤1%
CAS: 556-67-2 EINECS: 209-136-7 Index number: 014-018-00-1 Reg.nr.: 01-2119529238-36	octamethylcyclotetrasiloxane Flam. Liq. 3, H226; Repr. 2, H361f; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10) PBT; vPvB	≥0.025-≤0.1%

- **SVHC**

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane
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- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

perfumes ((R)-p-mentha-1,8-diene), preservation agents (sodium benzoate)	<5%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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:**

- Remove residues with soap and water.

- 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.

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- **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 product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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** No special precautions are necessary if used correctly.
- **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:** No special requirements.
- **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.
- **Storage class:** 3
- **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m³, 500 ppm
Long-term value: 999 mg/m³, 400 ppm

34590-94-8 Dipropylene glycol monomethyl ether

WEL Long-term value: 308 mg/m³, 50 ppm
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· DNELs

67-63-0 propan-2-ol

Oral	DNEL/general population/Systemic effects/Long-term	26 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	888 mg/kg/24h (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	319 mg/kg/24h (consumer)
	DNEL / Workers / Systemic effects / Long-term	500 mg/m ³ (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	89 mg/m ³ (consumer)

34590-94-8 Dipropylene glycol monomethyl ether

Oral	DNEL/general population/Systemic effects/Long-term	36 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	283 mg/kg/24h (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	121 mg/kg/24h (consumer)
	DNEL / Workers / Systemic effects / Long-term	308 mg/m ³ (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	37.2 mg/m ³ (consumer)

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

Oral	DNEL/general population/Systemic effects/Long-term	5 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	97.3 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	24.2 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	17.3 mg/m ³ (consumer)

556-67-2 octamethylcyclotetrasiloxane

Oral	DNEL/general population/Systemic effects/Long-term	3.7 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	73 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	73 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	13 mg/m ³ (consumer)
	DNEL/general population/Local effects/Long-term	13 mg/m ³ (consumer)

· PNECs

67-63-0 propan-2-ol

Oral	PNEC / Predators / Secondary poisoning	160 mg/kg food (secondary poisoning (predators))
	PNEC / Aquatic organisms / Freshwater	140.9 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Marine water	140.9 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / intermittent releases (freshwater)	140.9 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sewage treatment plant/STP	2,251 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	552 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	552 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	28 mg/kg (terrestrial organisms)

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34590-94-8 Dipropylene glycol monomethyl ether

	<i>PNEC / Aquatic organisms / Freshwater</i>	<i>19 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Marine water</i>	<i>1.9 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Intermittent releases (freshwater)</i>	<i>190 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>4.168 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>70.2 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>7.02 mg/kg (aquatic organisms)</i>
	<i>PNEC / Terrestrial organism / Soil</i>	<i>2.74 mg/kg (terrestrial organisms)</i>

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclotetrasiloxane

Oral	<i>PNEC / Predators / Secondary poisoning</i>	<i>16 mg/kg food (secondary poisoning (predators))</i>
	<i>PNEC / Aquatic organisms / Freshwater</i>	<i>0.0012 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Marine water</i>	<i>0.00012 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>10 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>11 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>1.1 mg/kg (aquatic organisms)</i>
	<i>PNEC / Terrestrial organism / Soil</i>	<i>2.54 mg/kg (terrestrial organisms)</i>

556-67-2 octamethylcyclotetrasiloxane

	<i>PNEC / Aquatic organisms / Freshwater</i>	<i>0.0015 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Marine water</i>	<i>0.00015 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sewage treatment plant / STP</i>	<i>10 mg/l (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (freshwater)</i>	<i>3 mg/kg (aquatic organisms)</i>
	<i>PNEC / Aquatic organisms / Sediment (marine water)</i>	<i>0.3 mg/kg (aquatic organisms)</i>

· **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:** Not required.

· **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.

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- **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:** Colourless
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **Melting point/freezing point:** Undetermined.
- **Boiling point or initial boiling point and boiling range** Undetermined.
- **Flammability** Flammable.
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** 42 °C
- **Decomposition temperature:** Not determined.
- **pH at 20 °C** 6.7 (DIN 51369)
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **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:** Not determined.
- **Density and/or relative density**
- **Density at 20 °C:** 0.989 g/cm³ (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.
- **Solvent separation test:**
- **VOC (EC)** 13.03 %
- **Change in condition**
- **Evaporation rate** Not determined.

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Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	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.

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:**

67-63-0 propan-2-ol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	16.4 ml/kg (rabbit)
	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50 / 6h	10,000 ppm (rat)
	NOAEC	5,000 ppm (rat)
	NOEC	500-5,000 ppm (rat)
34590-94-8 Dipropylene glycol monomethyl ether		
Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
	LD50	5.66 ml/kg (rat) (OECD 401)
	NOAEL	200-1,000 mg/kg/24h (rat)
Dermal	LOAEL	1,000 mg/kg/24h (rat)
	LD50	20 ml/kg (rat) (OECD 402) 10 ml/kg (rabbit) (OECD 402)

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Inhalative	LD50	9,510 mg/kg (rab) (OECD 402)
		19,020 mg/kg (rat) (OECD 402)
	LD0	20 ml/kg (rat) (OECD 402)
	NOAEL	1,000 mg/kg/24h (rat)
		2,850 mg/kg/24h (rabbit)
	LC0 / 7h	275 ppm (rat) (OECD 403)
	NOAEL	200 ppm (rat)
		200 ppm (rabbit)

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

Oral	LD50	>5,000 mg/kg (rat)
	NOAEL	1,000 mg/kg/24h (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
	NOAEL	1,600 mg/kg/24h (rat)
Inhalative	LC50 / 4h	8.67 mg/l (rat)
	NOAEC	40-160 ppm (rat)

556-67-2 octamethylcyclotetrasiloxane

Oral	LD50	4,800 mg/kg (rat)
Dermal	LD50	2.5 ml/kg (rat)
Inhalative	LC50 / 4h	36 mg/l (rat)
	NOAEC	150 ppm (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **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.
- **11.2 Information on other hazards**

· Endocrine disrupting properties

541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II
540-97-6	Dodecamethylcyclohexasiloxane	List II
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II

SECTION 12: Ecological information**· 12.1 Toxicity****· Aquatic toxicity:**

67-63-0 propan-2-ol		
LC50	9.64-10 mg/l/96h (fish)	
LC50	10,000 mg/l/24h (aquatic invertebrates)	
EC50	10,000 mg/l/24h (aquatic invertebrates)	
34590-94-8 Dipropylene glycol monomethyl ether		
LOEC	0.5 mg/l/21d (aquatic invertebrates)	
LC50	1,000 mg/l/96h (aquatic invertebrates)	
	1,000-10,000 mg/l/96h (fish)	

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LC50	1,000-1,919 mg/l/48h (aquatic invertebrates)
LC50	1,000 mg/l/72h (aquatic invertebrates)
LC50	1,000 mg/l/24h (aquatic invertebrates)
EC10	4.168 mg/l/16h (microorganisms)
EC50	969-969,000 mg/l/96h (aquatic algae and cyanobacteria)
EC50	969 mg/l/72h (aquatic algae and cyanobacteria)
NOEC	969 mg/l/72d (aquatic algae and cyanobacteria)
NOEC	0.5 mg/l/21d (aquatic invertebrates)
NOEC	969 mg/l/96h (aquatic algae and cyanobacteria)

519142-86-0 Silicone Quaternium-17

LC50	>10-100 mg/l/96h (zebrafish)
EC50	>5 mg/l/72h (<i>Desmodesmus subspicatus</i>)
EC50	>10-100 mg/l/48h (<i>Daphnia Magna</i>) (OECD 202)
EC50	>1,000 mg/l (activated sludge)

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclotetrasiloxane

LC50	0.016 mg/l/96h (fish)
LC50	0.016 mg/l/14d (fish)
LC50	257 mg/kg/28d (sediment)
	813 mg/kg/28d (terrestrial arthropods)
	41-4,074 mg/kg/28d (terrestrial macroorganisms except arthropods)
EC10	100 mg/kg/28d (soil microorganisms)
EC10	0.012 mg/l/96h (aquatic algae and cyanobacteria)
EC50	41-76 g/kg/48d (terrestrial macroorganisms except arthropods)
EC50	41-76 g/kg/28d (terrestrial macroorganisms except arthropods)
EC50	2 mg/l/3h (microorganisms)
EC50	0.012 mg/l/96h (aquatic algae and cyanobacteria)
EC50	0.015 mg/l/21d (aquatic invertebrates)
EC50	0.0029 mg/l/48h (aquatic invertebrates)
NOEC	0.07-0.16 g/kg/28d (sediment)
	377 g/kg/28d (terrestrial arthropods)
	41-76 g/kg/28d (terrestrial macroorganisms except arthropods)
NOEC	0.015 mg/l/21d (aquatic invertebrates)
NOEC	0.012 mg/l/96h (aquatic algae and cyanobacteria)
	0.016 mg/l/96h (fish)
NOEC	0.0029 mg/l/48h (aquatic invertebrates)
NOEC	0.016 mg/l/14d (fish)
LOEC	160-248 mg/kg/28d (sediment)
LOEC	0.015 mg/l/21d (aquatic invertebrates)
LOEC	0.014 mg/l/90d (fish)
NOEC	41-76 mg/kg/56d (terrestrial macroorganisms except arthropods)
NOEC	0.014 mg/l/90d (fish)

556-67-2 octamethylcyclotetrasiloxane

LC50	0.01 mg/l/14d (fish)
EC10	0.1 mg/kg/28d (terrestrial organisms)
EC10	0.022 mg/l/96h (algae / cyanobacteria)
EC50	32 g/kg/28d (sediment)
	0.1 g/kg/28d (terrestrial organisms)

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EC50	0.022 mg/l/96h (algae / cyanobacteria)
EC50	0.015 mg/l/21d (aquatic invertebrates)
EC50	0.015 mg/l/48h (aquatic invertebrates)
NOEC	13 g/kg/28d (sediment)
NOEC	0.015 mg/l/21d (aquatic invertebrates)
NOEC	0.022 mg/l/96h (algae / cyanobacteria)
	0.022 mg/l/96h (fish)
NOEC	0.015 mg/l/48h (aquatic invertebrates)
NOEC	0.0044 mg/l/14d (fish)
LOEC	19 mg/kg/28d (sediment)

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

· **12.3 Bioaccumulative potential**

67-63-0 propan-2-ol

Partition coefficient 0.05 [---] (log Kow) (Bioaccumulation)

Biodegradability >70 % (28d) (Biodegradability) (EU Method C.5)

34590-94-8 Dipropylene glycol monomethyl ether

Partition coefficient 0.004-0.35 [---] (log Kow) (Bioaccumulation)

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

Partition coefficient 8.07 [---] (log Kow) (Bioaccumulation)

556-67-2 octamethylcyclotetrasiloxane

Partition coefficient 6.98 [---] (log Kow) (Bioaccumulation)

· **12.4 Mobility in soil** No further relevant information available.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:**

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

· **vPvB:**

541-02-6 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

· **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

· **12.7 Other adverse effects**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (according to Appendix 1 AwSV): slightly hazardous for water

Water hazard class 2 (according to Appendix 1 AWSV): significantly hazardous to 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.

Harmful to aquatic organisms

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.



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Trade name: MOTO QUICK CLEANER

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- **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 · IMDG, IATA	1993 FLAMMABLE LIQUID, N.O.S. (propan-2-ol) FLAMMABLE LIQUID, N.O.S. (propan-2-ol)
· 14.3 Transport hazard class(es) · ADR/RID/ADN	
	
· Class · Label	3 (F1) Flammable liquids. 3
· IMDG, IATA	
	
· Class · Label	3 Flammable liquids. 3
· 14.4 Packing group · ADR/RID/ADN, IMDG, IATA	III
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 30 F-E, S-E A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR/RID/ADN · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000

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.	ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL), 3, III

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.

- **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

- **LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (UK ANNEX XIV)**

- **Substances of very high concern (SVHC) according to UK REACH**

541-02-6 | 2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane

- **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.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361f Suspected of damaging fertility.

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.

- **Department issuing SDS:** Abteilung Produktsicherheit

- **Abbreviations and acronyms:**

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

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

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- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 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 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
 - 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 2

- **Short title of the exposure scenario** Professional use of cleaning agents
- **Sector of Use**
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

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- **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.
- **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 3

- **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

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- **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.