


1 Identification

- **Product identifier**
- **Trade name: MOTO CLEAN UNIVERSAL**
- **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
- **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

A1 Accessory Imports
60-62 Burchill St.
Loganholme
4129 QLD
Australia
Phone : 07 3451 1300
- **Further information obtainable from: msds@motorex.com**
- **Emergency telephone number:**
In case of a medical emergency following exposure to a chemical, call Poisons Information Centre Australia 13 11 26

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Serious eye damage/irritation – Category 2A H319 Causes serious eye irritation.
-
- **Label elements**
 - **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
 - **Hazard pictograms**
- 

GHS07
- **Signal word** Warning
 - **Hazard statements**
H319 Causes serious eye irritation.
 - **Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear eye protection / face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
 - **Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.

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Trade name: **MOTO CLEAN UNIVERSAL**· **vPvB:** Not applicable.

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3 Composition and Information on Ingredients

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

- **Dangerous components:**

CAS: 102-71-6 EINECS: 203-049-8	Triethanolamine	2.5-7.5%
CAS: 68551-13-3 Polymer	alcohols, C12-15 ethoxylated propoxylated Serious eye damage/irritation – Category 2A, H319	1-2.5%
CAS: 68411-30-3 EINECS: 270-115-0	Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts Eye Dam. 1, H318; Skin Irrit. 2, H315	≥1-<2.5%
	anionische Tenside Serious eye damage/irritation – Category 2A, H319	≥0.25-≤2.5%
CAS: 5989-27-5 EINECS: 227-813-5 Index number: 601-029-00-7	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.1-<0.25%

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

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

4 First Aid Measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **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): 5-50°C
Keep container tightly sealed.
- **Storage class:** 12
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

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

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

102-71-6 Triethanolamine

WES	Long-term value: 5 mg/m ³ Sen
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- **DNELs**

102-71-6 Triethanolamine

Oral	DNEL/general population/Systemic effects/Long-term	13 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	6.3 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	3.1 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	5 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	5 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	1.25 mg/m ³ (consumer)
	DNEL/general population/Local effects/Long-term	1.25 mg/m ³ (worker)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Oral	DNEL/general population/Systemic effects/Long-term	0.425 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	85 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	42.5 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	6 mg/m ³ (worker)
	DNEL / Workers / Local Effects / Long-term	6 mg/m ³ (worker)
	DNEL/general population/Systemic effects/Long-term	1.5 mg/m ³ (consumer)
	DNEL/general population/Local effects/Long-term	1.5 mg/m ³ (consumer)

5989-27-5 (R)-p-mentha-1,8-diene

Oral	DNEL/general population/Systemic effects/Long-term	4.8 mg/kg/24h (consumer)
Dermal	DNEL / Workers / Systemic effects / Long-term	9.5 mg/kg/24h (worker)
	DNEL / Workers / Systemic effects / Long-term	66.7 mg/m ³ (worker)
Inhalative	DNEL/general population/Systemic effects/Long-term	4.8 mg/m ³ (consumer)

- **PNECs**

102-71-6 Triethanolamine

PNEC / Aquatic organisms / Freshwater	0.32 mg/l (aquatic organisms)
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	PNEC / Aquatic organisms / Marine water	0.032 mg/l (aquatic organisms)
	PNEC / Aquatic org / intermittent releases (freshwater)	5.12 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sewage treatment plant / STP	10 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	1.7 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	0.17 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	0.151 mg/kg (terrestrial organisms)
68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts		
	PNEC / Aquatic organisms / Freshwater	0.268 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Marine water	0.0268 mg/l (aquatic organisms)
	PNEC / Aquatic org / intermittent releases (freshwater)	0.0167 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sewage treatment plant / STP	3.43 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	8.1 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	6.8 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	35 mg/kg (terrestrial organisms)
5989-27-5 (R)-p-mentha-1,8-diene		
Oral	PNEC / Predators / Secondary poisoning	133 mg/kg food (secondary poisoning (predators))
	PNEC / Aquatic organisms / Freshwater	0.014 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Marine water	0.0014 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sewage treatment plant / STP	1.8 mg/l (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (freshwater)	3.85 mg/kg (aquatic organisms)
	PNEC / Aquatic organisms / Sediment (marine water)	0.385 mg/kg (aquatic organisms)
	PNEC / Terrestrial organism / Soil	0.763 mg/kg (terrestrial organisms)

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

· **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.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

Not necessary if room is well-ventilated.

Respiratory protection if formation of aerosol or mist: use mask with filter type A2, A2/P2 or ABEK.

· **Protection of hands:**

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

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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 protection:** Goggles recommended during refilling

· **Body protection:** Protective work clothing

9 Physical and Chemical Properties

· **General Information**

· **Appearance:**

· **Form:** Fluid
 · **Colour:** Green
 · **Odour:** Lemon
 · **Odour threshold:** Not determined.
 · **pH-value at 20 °C:** 8.75 (DIN 51369)

· **Change in condition**

· **Melting point/freezing point:** Undetermined.
 · **Initial boiling point and boiling range:** Undetermined.
 · **Flash point:** Not applicable.
 · **Flammability (solid, gas):** Not applicable.
 · **Decomposition temperature:** Not determined.
 · **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:** Not determined.
 · **Upper:** Not determined.
 · **Vapour pressure:** Not determined.
 · **Density at 20 °C:** 1.013 g/cm³ (ASTM D 4052)
 · **Relative density** Not determined.
 · **Vapour density** Not determined.
 · **Evaporation rate** Not determined.
 · **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 separation test:**

· **VOC (EC)** 0.11 %

· **Other information** No further relevant information available.

10 Stability and Reactivity

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

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11 Toxicological Information

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

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

102-71-6 Triethanolamine

Oral	LD50	6,400 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
	NOAEL	250-1,000 mg/kg/24h (mouse) 125-500 mg/kg/24h (rat)
Inhalative	NOAEC	20-500 mg/m ³ (rat)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Oral	LD50	1,080 mg/kg (rat)
	NOAEL	40-85 mg/kg/24h (rat)
	LOAEL	115-145 mg/kg/24h (rat)
Dermal	LD50	2,000 mg/kg (rat)

5989-27-5 (R)-p-mentha-1,8-diene

Oral	LD50	2,000 mg/kg (rat)
	NOAEL	100 mg/kg/24h (dog) 500-1,650 mg/kg/24h (mouse) 600-3,300 mg/kg/24h (rat)
	LOAEL	3,300 mg/kg/24h (mouse) 1,200-1,650 mg/kg/24h (rat)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye irritation.
- **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.

12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

102-71-6 Triethanolamine

LC50	11.8 mg/l/96h (fish)
EC10	7.9-26 mg/l/72h (algae / cyanobacteria)
EC50	216-512 mg/l/72h (algae / cyanobacteria)
EC50	610 mg/l/48h (aquatic invertebrates)
NOEC	16-250 mg/l/21d (aquatic invertebrates)

68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

LC50	1.8-6.5 mg/l/96h (aquatic invertebrates)
	1.67 mg/l/96h (fish)
LC50	0.96-1.1 mg/l/7d (aquatic invertebrates)
EC50	6.4 mg/l/24h (aquatic invertebrates)

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EC50	0.91-29 mg/l/96h (algae / cyanobacteria)
EC50	2.9 mg/l/48h (aquatic invertebrates)
NOEC	0.23 mg/l/72d (fish)
NOEC	100 g/kg/21d (terrestrial plants)
NOEC	0.081 g/kg/28d (sediment)
NOEC	1.18 mg/l/21d (aquatic invertebrates)
NOEC	2.4 mg/l/72h (algae / cyanobacteria)
NOEC	0.5 mg/l/96h (algae / cyanobacteria)
NOEC	0.5-5 mg/l/7d (aquatic invertebrates)
NOEC	2-4 mg/l/28d (aquatic invertebrates)
	1-3.2 mg/l/28d (fish)

5989-27-5 (R)-p-mentha-1,8-diene

LC50	0.46-0.72 mg/l/96h (fish)
EC10	18 mg/l/3h (microorganisms)
EC10	0.153 mg/l/21d (aquatic invertebrates)
EC10	0.14 mg/l/48h (algae / cyanobacteria)
EC50	209 mg/l/3h (microorganisms)
EC50	0.688-0.702 mg/l/96h (fish)
EC10	0.149-0.174 mg/l/72h (algae / cyanobacteria)
EC50	0.214-0.32 mg/l/72h (algae / cyanobacteria)
EC50	0.188 mg/l/21d (aquatic invertebrates)
EC50	0.307 mg/l/48h (aquatic invertebrates)
	0.25 mg/l/48h (algae / cyanobacteria)
NOEC	0.05-0.08 mg/l/21d (aquatic invertebrates)
NOEC	0.09 mg/l/48h (algae / cyanobacteria)
NOEC	0.059-0.37 mg/l/7d (fish)
NOEC	0.08 mg/l/28d (fish)
LOEC	0.173 mg/kg/28d (aquatic invertebrates)

- **Persistence and degradability** No further relevant information available.

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

102-71-6 Triethanolamine

Partition coefficient	1.34-≤2.476 [---] (log Kow) (Bioaccumulation)
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68411-30-3 Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts

Partition coefficient	1.4 [---] (log Kow) (Bioaccumulation)
Biodegradability	85 % (28d) (Biodegradability) (OECD 301 B)

5989-27-5 (R)-p-mentha-1,8-diene

Partition coefficient	4.38 [---] (log Kow) (Bioaccumulation)
Biodegradability	80 % (28d) (Biodegradability) (OECD 301 D)

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

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

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

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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

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13 Disposal considerations

· **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.

14 Transport information

· **UN-Number**

· **ADG, ADN, IMDG, IATA**

Not classified as hazardous for transport

· **UN proper shipping name**

· **ADG, ADN, IMDG, IATA**

Not classified as hazardous for transport

· **Transport hazard class(es)**

· **ADG, ADN, IMDG, IATA**

· **Class**

Not classified as hazardous for transport

· **Packing group**

· **ADG, IMDG, IATA**

Not classified as hazardous for transport

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

Not classified as hazardous for transport

15 Regulatory information

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

· **Australian Inventory of Industrial Chemicals**

7732-18-5	water, distilled, conductivity or of similar purity
102-71-6	Triethanolamine
29911-27-1	1-(1-Methyl-2-propoxyethoxy)propan-2-ol
68551-13-3	alcohols, C12-15 ethoxylated propoxylated
68411-30-3	Benzene sulfonic acid, C10-13-alkyl derivatives, sodium salts
28348-53-0	sodium cumenesulphonate
26183-52-8	Decan-1-ol, ethoxylated
2687-94-7	1-octyl-2-pyrrolidone
5989-27-5	(R)-p-mentha-1,8-diene
9004-62-0	Cellulose, 2-hydroxyethyl ether

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586-62-9	Terpinene
8000-41-7	Terpineol
93-18-5	beta-Naphthol ethyl ether
2634-33-5	1,2-benzisothiazol-3(2H)-one
88-41-5	2-tert-Butylcyclohexyl acetate
101-84-8	diphenyl ether
99-85-4	p-Mentha-1,4-diene
123-35-3	7-methyl-3-methyleneocta-1,6-diene
470-82-6	1,8-epoxy-p-menthane
85-91-6	Methyl N-methylantranilate
115-95-7	linalyl acetate
80-56-8	pin-2(3)-ene
78-70-6	Linalool
1310-73-2	sodium hydroxide
127-91-3	beta-Pinene
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
19381-50-1	trisodium tris[5,6-dihydro-5-(hydroxyimino)-6-oxonaphthalene-2-sulphonato(2-)-N5,O6]ferrate(3-)
99-87-6	p-cymene
5392-40-5	Citral
106-24-1	Geraniol

· **Standard for the Uniform Scheduling of Medicines and Poisons**

102-71-6	Triethanolamine	S4, S5
470-82-6	1,8-epoxy-p-menthane	S6
1310-73-2	sodium hydroxide	S5, S6, S10
5392-40-5	Citral	S5
106-24-1	Geraniol	S6

· **Australia: Priority Existing Chemicals**

5989-27-5	(R)-p-mentha-1,8-diene
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· **Directive 2012/18/EU**

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

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

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**

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

· **Department issuing SDS:** Abteilung Produktsicherheit

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· **Contact:**

· **Abbreviations and acronyms:**

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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

Serious eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Asp. Tox. 1: Aspiration hazard – Category 1

· *** Data compared to the previous version altered.**

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