

1 Identification

- **Product identifier**
- **Trade name:** BIKE MATT CARE
- **Application of the substance / the mixture**
Only for proper handling.
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
- **Information department:** msds@motorex.com
- **Emergency telephone number:**
USA + Canada: 1 800 424 9300 (Chemtrec Chemical Manufacturers Association, Arlington, VA 22209)

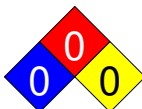
2 Hazard(s) identification

- **Classification of the substance or mixture**
Flammable Aerosols 1 H222 Extremely flammable aerosol.
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02

- **Signal word** *Danger*
- **Hazard statements**
H222 Extremely flammable aerosol.
- **Precautionary statements**
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**



HEALTH 0 Health = 0
FIRE 0 Fire = 0
REACTIVITY 3 Reactivity = 3

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

(Contd. on page 2)

Trade name: **BIKE MATT CARE**· **vPvB:** Not applicable.

(Contd. of page 1)

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**· **Description:** Mixture of the substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane, pure Flammable Gases 1, H220; Gases under Pressure - Compressed gas, H280	10-25%
CAS: 1569-01-3 EINECS: 216-372-4	1-propoxypropan-2-ol Flammable Liquids 3, H226	2.5-7.5%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5	propane Flammable Gases 1, H220; Gases under Pressure - Compressed gas, H280	1-3%
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0	propan-2-ol Flammable Liquids 2, H225; Eye Irritation 2A, H319; Specific Target Organ Toxicity - Single Exposure 3, H336	≥1-≤3%

4 First-aid measures

· **Description of 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.· **After swallowing:** If symptoms persist consult 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

· **Extinguishing media**· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.· **Special hazards arising from the substance or mixture** No further relevant information available.· **Advice for firefighters**· **Protective equipment:** No special measures required.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

· **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.· **Methods and material for containment and cleaning up:** Ensure adequate ventilation.· **Protective Action Criteria for Chemicals**· **PAC-1:**

106-97-8	butane, pure	5500* ppm
74-98-6	propane	5500* ppm
67-63-0	propan-2-ol	400 ppm
75-28-5	isobutane	5500* ppm

(Contd. on page 3)

Trade name: **BIKE MATT CARE**

(Contd. of page 2)

78-78-4	isopentane	3000* ppm
112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
1310-73-2	sodium hydroxide	0.5 mg/m ³
84-66-2	diethyl phthalate	15 mg/m ³
64-19-7	acetic acid	5 ppm
532-32-1	sodium benzoate	61 mg/m ³
1310-73-2	sodium hydroxide	0.5 mg/m ³

PAC-2:

106-97-8	butane, pure	17000** ppm
74-98-6	propane	17000** ppm
67-63-0	propan-2-ol	2000* ppm
75-28-5	isobutane	17000** ppm
78-78-4	isopentane	33000*** ppm
112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
1310-73-2	sodium hydroxide	5 mg/m ³
84-66-2	diethyl phthalate	300 mg/m ³
64-19-7	acetic acid	35 ppm
532-32-1	sodium benzoate	680 mg/m ³
1310-73-2	sodium hydroxide	5 mg/m ³

PAC-3:

106-97-8	butane, pure	53000*** ppm
74-98-6	propane	33000*** ppm
67-63-0	propan-2-ol	12000** ppm
75-28-5	isobutane	53000*** ppm
78-78-4	isopentane	200000*** ppm
112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
1310-73-2	sodium hydroxide	50 mg/m ³
84-66-2	diethyl phthalate	1,800 mg/m ³
64-19-7	acetic acid	250 ppm
532-32-1	sodium benzoate	810 mg/m ³
1310-73-2	sodium hydroxide	50 mg/m ³

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.

7 Handling and storage

• **Precautions for safe handling** No special precautions are necessary if used correctly.

• **Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

• **Conditions for safe storage, including any incompatibilities**

• **Storage:**

• **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

• **Information about storage in one common storage facility:** Not required.

• **Further information about storage conditions:**

The recommended storage temperature is (deg.C): ≤50°C

Keep receptacle tightly sealed.

(Contd. on page 4)

Trade name: BIKE MATT CARE

(Contd. of page 3)

- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

106-97-8 butane, pure

REL	Long-term value: 1900 mg/m ³ , 800 ppm
TLV	Short-term value: 1000 ppm (EX)

74-98-6 propane

PEL	Long-term value: 1800 mg/m ³ , 1000 ppm
REL	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV	see Appendix F Minimal oxygen content (D, EX)

67-63-0 propan-2-ol

PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4

- **Ingredients with biological limit values:**

67-63-0 propan-2-ol

BEI	40 mg/L Medium: urine Time: end of shift at end of workweek Parameter: Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Additional information about design of technical systems:** No further data; see section 7.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:**
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 substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 5)

Trade name: **BIKE MATT CARE**

(Contd. of page 4)

- **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:** Not required.
- **Body protection:** Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

- | | |
|---|--------------------------------------|
| · Color: | Light blue |
| · Odor: | Apple |
| · Odor threshold: | Not determined. |
| · Melting point/Melting range: | Undetermined. |
| · Boiling point/Boiling range: | Not applicable, as aerosol. |
| · Flammability (solid, gaseous): | Not applicable. |
| · Explosion limits: | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Flash point: | Not applicable, as aerosol. |
| · Decomposition temperature: | Not determined. |
| · pH-value at 20 °C: | 6.4 (DIN 51369) |
| · Viscosity: | |
| · Kinematic: | Not determined. |
| · Consistency | |
| · Dynamic: | Not determined. |
| · Solubility in / Miscibility with | |
| · Water: | Fully miscible. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Vapor pressure: | Not determined. |
| · Vapor pressure: | |
| · Density at 20 °C: | 0.89 g/cm ³ (ASTM D 4052) |
| · Relative density | Not determined. |
| · Vapor density | Not determined. |

· Other information

- | | |
|--|-----------------|
| · Appearance: | |
| · Form: | Aerosol |
| · Important information on protection of health and environment, and on safety. | |
| · Danger of explosion: | Not determined. |
| · Change in condition | |
| · Evaporation rate | Not applicable. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **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.

(Contd. on page 6)

Trade name: **BIKE MATT CARE**

(Contd. of page 5)

· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**

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

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

106-97-8 butane, pure

Inhalative	LC50 / 15 min	1,442.738-1.443 mg/l (rat)
	LC50 / 15 min	800,000 ppm (rat)
	LC50 / 2h	1,237 mg/l (mouse)
	LC50 / 2h	520,400-539,600 ppm (mouse)
	LC50 / 4h	658 mg/l (rat)
	NOAEC	4,000-16,000 ppm (rat)
	NOAEC	7.2-21.4 mg/l (rat)
	LOAEC	21.6 mg/l (rat)
	LOAEC	12,000 ppm (rat)

1569-01-3 1-propoxypropan-2-ol

Oral	LD50	2,490-4,330 mg/kg (rat)
	LD50	2.83-4.92 ml/kg (rat)
Dermal	LD50	3,775-4,330 ml/kg (rabbit)
	LD50	4.29-4.92 mg/kg (rabbit)
Inhalative	LC0 / 4h	1,725 ppm (rat)
	NOAEC	300 ppm (rat)

74-98-6 propane

Inhalative	LC50 / 15 min	1,442.738-1.443 mg/l (rat)
	LC50 / 15 min	800,000 ppm (rat)
	LC50 / 2h	1,237 mg/l (mouse)
	LC50 / 2h	520,400-539,600 ppm (mouse)
	NOAEC	4,000-16,000 ppm (rat)
	NOAEC	7.214-21.394 mg/l (rat)
	LOAEC	21.64 mg/l (rat)
	LOAEC	12,000 ppm (rat)

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)

· **on the skin:** Based on available data, the classification criteria are not met.

· **on the eye:** Based on available data, the classification criteria are not met.

· **Sensitization:** 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.

· **Specific target organ toxicity - single exposure**

Based on available data, the classification criteria are not met.

(Contd. on page 7)

Trade name: **BIKE MATT CARE**

(Contd. of page 6)

- **Specific target organ toxicity - repeated exposure**
Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

67-63-0 propan-2-ol	3
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

106-97-8 butane, pure

LC50	24.1-147.5 mg/l/96h (fish)
LC50	14.2-69.4 mg/l/48h (aquatic invertebrates)
EC50	7.7-19.4 mg/l/96h (algae / cyanobacteria)

1569-01-3 1-propoxypropan-2-ol

LC50	100 mg/l/96h (fish)
LC50	100 mg/l/48h (aquatic invertebrates)
	100 mg/l/48h (fish)
LC50	100 mg/l/24h (aquatic invertebrates)
EC50	1,466 mg/l/96h (algae / cyanobacteria)
EC50	3,440 mg/l/72h (algae / cyanobacteria)
EC50	5,583 mg/l/48h (algae / cyanobacteria)

74-98-6 propane

LC50	24.11-147.54 mg/l/96h (fish)
LC50	14.22-69.43 mg/l/48h (aquatic invertebrates)
EC50	7.71-19.37 mg/l/96h (algae / cyanobacteria)

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)

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

- **Bioaccumulative potential**

106-97-8 butane, pure

Partition coefficient	1.09-2.8 [---] (log Kow) (Bioaccumulation)
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1569-01-3 1-propoxypropan-2-ol

Partition coefficient	0.621 [---] (log Kow) (Bioaccumulation)
Biologische Abbaubarkeit	91.5 % (28d) (Biodegradability) (OECD 301 A)

74-98-6 propane

Partition coefficient	1.09-2.8 [---] (log Kow) (Bioaccumulation)
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67-63-0 propan-2-ol

Partition coefficient	0.05 [---] (log Kow) (Bioaccumulation)
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(Contd. on page 8)

Printing date 05/28/2024

Reviewed on 05/13/2024

Trade name: BIKE MATT CARE

(Contd. of page 7)

Biologische Abbaubarkeit	>70 % (28d) (Biodegradability) (EU Method C.5)
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- **Mobility in soil** No further relevant information available.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **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.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:**

Must not be disposed of 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 packagings:**

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

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- **UN-Number**

- **DOT, ADR/RID/ADN, IMDG, IATA**

UN1950

- **UN proper shipping name**

- **DOT**

Aerosols, non-flammable

- **ADR/RID/ADN**

1950 AEROSOLS

- **IMDG**

AEROSOLS

- **IATA**

AEROSOLS, non-flammable

- **Transport hazard class(es)**

- **DOT**



- **Class**

2.1 Gases

- **Label**

2.1

- **ADR/RID/ADN**



- **Class**

2 5A Gases

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS




Printing date 05/28/2024

Reviewed on 05/13/2024

Trade name: **BIKE MATT CARE**

(Contd. of page 8)

· Label	2.1
· IMDG, IATA	
	
· Class	2.1 Gases
· Label	2.1
· Packing group	
· DOT, ADR/RID/ADN, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Gases
· Hazard identification number (Kemler code):	-
· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADR/RID/ADN	
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

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

No further relevant information available.

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

(Contd. on page 10)

US

Safety Data Sheet

acc. to OSHA HCS



Printing date 05/28/2024

Reviewed on 05/13/2024

Trade name: **BIKE MATT CARE**

(Contd. of page 9)

Section 313 (Specific toxic chemical listings):

67-63-0	propan-2-ol
112-34-5	2-(2-butoxyethoxy)ethanol
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran

TSCA (Toxic Substances Control Act):

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
106-97-8	butane, pure	ACTIVE
1569-01-3	1-propoxypropan-2-ol	ACTIVE
74-98-6	propane	ACTIVE
67-63-0	propan-2-ol	ACTIVE
29911-28-2	dipropylene glycol butyl ether	ACTIVE
68551-13-3	alcohols, C12-15 ethoxylated propoxylated	ACTIVE
75-28-5	isobutane	ACTIVE
110615-47-9	Alkylpolyglycoside C10-16	ACTIVE
68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	ACTIVE
78-78-4	isopentane	ACTIVE
68920-66-1	Alcohols, C16-18 and C18-unsatd., ethoxylated	ACTIVE
112-34-5	2-(2-butoxyethoxy)ethanol	ACTIVE
7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
1310-73-2	sodium hydroxide	ACTIVE
84-66-2	diethyl phthalate	ACTIVE
1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	ACTIVE
88-41-5	2-tert-Butylcyclohexyl acetate	ACTIVE
64-19-7	acetic acid	ACTIVE
2634-33-5	1,2-benzisothiazol-3(2H)-one	ACTIVE
104-67-6	5-heptyloxolan-2-one	ACTIVE
532-32-1	sodium benzoate	ACTIVE
40379-24-6	Isononyl acetate (isomer unspecified)	ACTIVE
2634-33-5	1,2-benzisothiazol-3(2H)-one	ACTIVE
1191-16-8	3-Methyl-2-butenyl acetate	ACTIVE
1310-73-2	sodium hydroxide	ACTIVE
123-68-2	Allyl caproate	ACTIVE

Hazardous Air Pollutants

None of the ingredients is listed.

Proposition 65
Chemicals known to cause cancer:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories
EPA (Environmental Protection Agency)

84-66-2	diethyl phthalate	D
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(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS



Printing date 05/28/2024

Reviewed on 05/13/2024

Trade name: **BIKE MATT CARE**

(Contd. of page 10)

· **TLV (Threshold Limit Value)**

67-63-0 | propan-2-ol

A4

84-66-2 | diethyl phthalate

A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

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.

· **Department issuing SDS:** Abteilung Produktsicherheit· **Date of preparation / last revision** 05/28/2024 / -· **Abbreviations and acronyms:**

Flammable Gases 1: Flammable gases – Category 1

Flammable Aerosols 1: Aerosols – Category 1

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

Flammable Liquids 2: Flammable liquids – Category 2

Flammable Liquids 3: Flammable liquids – Category 3

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

Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3

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

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