

Safety data sheet
according to (EU) 2015/830

Printing date 01.10.2018

Version number 2.1

Revision: 01.10.2018

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

· **1.1 Product identifier**

· **Trade name:** **RACING BIO DIRT REMOVER**

· **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:**

BUCHER AG LANGENTHAL
MOTOREX-Schmiertechnik
Bern-Zürich-Strasse 31
CH-4901 Langenthal
Telefon +41 (0)62 919 75 75

· **Only representative in EU:**

MOTOREX Deutschland AG, Bismarckstrasse 28, D-69198 Schriesheim

· **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**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

disodium metasilicate

Anionic surfactant

· **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

· **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.

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- P264 Wash thoroughly after handling.
- P280 Wear protective gloves / eye protection / face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/doctor.
- P321 Specific treatment (see on this label).
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- **2.3 Other hazards**
 - **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

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

- **Dangerous components:**

	anionic surfactants Eye Dam. 1, H318; Skin Irrit. 2, H315	≥3-<7.5%
CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate Skin Corr. 1B, H314; STOT SE 3, H335	≥2.5-<5%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate Eye Irrit. 2, H319	0.25-1%
CAS: 28348-53-0 EINECS: 248-983-7 Reg.nr.: 01-2120759186-46	sodium cumenesulphonate Eye Irrit. 2, H319	0.25-1%

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

phosphates	≥15 - <30%
non-ionic surfactants, anionic surfactants	<5%
perfumes	

- **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:**
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **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:**
Use fire extinguishing methods suitable to surrounding conditions.
- **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:**
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
- **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** Thorough dusting.
- **Information about fire - and explosion protection:** No special measures required.
- **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:** Keep container tightly sealed.
- **Storage class:** 11
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

6834-92-0 disodium metasilicate

Oral	DNEL/general population/Systemic effects/Long-term	0.74 mg/kg/24h (consumer)
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Dermal	DNEL / Workers / Systemic effects / Long-term	1.49 mg/kg/24h (worker)
	DNEL/general population/Systemic effects/Long-term	0.74 mg/kg/24h (consumer)
Inhalative	DNEL / Workers / Systemic effects / Long-term	6.22 mg/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	1.55 mg/m3 (consumer)

Anionic surfactant

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/m3 (worker)
	DNEL/general population/Systemic effects/Long-term	1.5 mg/m3 (consumer)

497-19-8 sodium carbonate

Inhalative	DNEL / Workers / Local Effects / Long-term	10 mg/m3 (worker)
	DNEL/general population/Local effects/Long-term	10 mg/m3 (consumer)

PNECs
6834-92-0 disodium metasilicate

PNEC / Aquatic organisms / Freshwater	7.5 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Marine water	1 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	1,000 mg/l (aquatic organisms)

Anionic surfactant

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)	0.055 mg/l (aquatic organisms)
PNEC/Aquatic organisms/Sewage treatment plant/STP	5.6 mg/l (aquatic organisms)
PNEC / Aquatic organisms / Sediment (freshwater)	8.1 mg/kg (aquatic organisms)
PNEC / Aquatic organisms / Sediment (marine water)	8.1 mg/kg (aquatic organisms)
PNEC / Terrestrial organism / Soil	35 mg/kg (terrestrial organisms)

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

8.2 Exposure controls
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 skin.
- Avoid contact with the eyes and skin.

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· **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:**



Protective gloves

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**

Protective gloves to EN374, resistant to oil in use. Standard EN 374 Level 3 control G1

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.

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0.4 mm

· **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.

For the mixture of chemicals mentioned below the penetration time has to be at least 60 minutes (Permeation according to EN 374 Part 3: Level 1).

· **Eye 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**

· **Appearance:**

Form: Powder

Colour: White

· **Odour:** typical, characteristic

· **Odour threshold:** Not determined.

· **pH-value:** 9.5 (10g/l H₂O) (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 determined.

· **Decomposition temperature:** Not determined.

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

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· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not applicable.
· Density at 20 °C:	0.8 g/cm ³ (ASTM D 4052)
· Relative density	Not determined.
· Vapour density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water:	Soluble.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
Solids content:	100.0 %
· 9.2 Other information	No further relevant information available.

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

· LD/LC50 values relevant for classification:

6834-92-0 disodium metasilicate

Oral	LD50	662-1,009 mg/kg (mouse) 995-1,530 mg/kg (rat)
	NOAEL	260-284 mg/kg/24h (mouse) 227-237 mg/kg/24h (rat)
	LOAEL	716-892 mg/kg/24h (mouse)
	Dermal	LD50 5,000 mg/kg (rat)
Inhalative	LC50 / 4h	2.06 mg/l (rat)
Anionic surfactant		
Oral	LD50	2,240 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rat)

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	NOAEL	440 mg/kg/24h (mouse)
497-19-8 sodium carbonate		
Oral	LD50	2,800 mg/kg (rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50 / 2h	2.3 mg/l (rat)
28348-53-0 sodium cumenesulphonate		
Oral	LD50	7,000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation**
Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
- **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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

6834-92-0 disodium metasilicate	
LC50	210-2,320 mg/l/96h (fish)
LC0	180 mg/l/96h (fish)
LC100	250 mg/l/96h (fish)
EC50	100 mg/l/72h (microorganisms)
EC100	10,000 mg/l/48h (aquatic invertebrates)
EC0	100 mg/l/48h (aquatic invertebrates)
EC50	1,700 mg/l/48h (aquatic invertebrates)
Anionic surfactant	
LC50	3.94 mg/l/96h (aquatic invertebrates)
LC0	4.1 mg/l/96h (fish)
LC100	7.5 mg/l/96h (fish)
LC50	1.67 mg/l/21d (aquatic invertebrates)
EC50	8.8 mg/l/24h (aquatic invertebrates)
EC10	5.6-8.4 mg/l/72h (algae / cyanobacteria)
EC50	25-72 mg/l/72h (algae / cyanobacteria)
EC50	1.5-2.31 mg/l/21d (aquatic invertebrates)
EC100	12.5 mg/l/48h (aquatic invertebrates)
EC0	6.3 mg/l/48h (aquatic invertebrates)
EC50	8.8 mg/l/48h (aquatic invertebrates)
NOEC	1.18 mg/l/21d (aquatic invertebrates)

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NOEC	1.5 mg/l/72h (algae / cyanobacteria)
497-19-8 sodium carbonate	
LC50	300 mg/l/96h (fish)
EC50	200-227 mg/l/48h (aquatic invertebrates)

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

· **12.3 Bioaccumulative potential**

Anionic surfactant

Partition coefficient 0.7 [---] (log Kow) (Bioaccumulation)

Biodegradability 94 % (28d) (Biodegradability) (EU Method C.4-A)

· **12.4 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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

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

Contact waste processors for recycling information.

· **European waste catalogue**

07 06 01* aqueous washing liquids and mother liquors

· **Uncleaned packaging:**

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

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR/RID/ADN, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR/RID/ADN, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR/RID/ADN, IMDG, IATA** Void

· **14.5 Environmental hazards:**

Not applicable.

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- | | |
|--|-----------------|
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - **UFI Code** Y0TM-2EX3-C00N-0DW6
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

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

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.

- **Relevant phrases**
 - H314 Causes severe skin burns and eye damage.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
- **Department issuing SDS:** Abteilung Produktsicherheit
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - ELINCS: European List of Notified Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - DNEL: Derived No-Effect Level (REACH)
 - PNEC: Predicted No-Effect Concentration (REACH)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**