

**TIP TOP CLEANER FOR TWO-WHEEL VEHICLES**

00156-0146

**1. Identification of the substance/mixture and of the company/undertaking****Identification of the substance or mixture**

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**Art.-No.**

593 1171, 593 1208, 593 1222, 593 1648, 593 6203

**Use of the substance/mixture**

Cleaning agent

**Company/undertaking identification**

REMA TIP TOP GmbH

Gruber Strasse 63

D-85586 Poing

Telephone: ++49 (0) 8121 / 707 - 0

Responsible Department:

Emergency telephone : ++49 (0) 6132 / 84463 (GBK Gefahrgut Buero GmbH, Ingelheim)

Responsible for the safety data sheet: sds@gbk-ingelheim.de

**2. Hazards identification****Explication of special hazards for human health and environment**

Not classified as dangerous according to directive 1999/45/EC.

**3. Composition/information on ingredients****Chemical characterization ( Mixture )**

Aqueous solution

**Hazardous components**

EC No.	CAS No.	Chemical name	Quantity	Classification
203-961-6	112-34-5	2-(2-Butoxyethoxy)ethanol	< 10 %	Xi R36
	97043-91-9	Alkylalcohol C9-C16, ethoxylated	< 5 %	Xn, Xi R22-41

Full text of each relevant R phrase can be found in heading 16.

**4. First aid measures****General information**

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

**After contact with skin**

Rinse with plenty of water.

Consult a doctor if skin irritation persists.

**After contact with eyes**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

**After ingestion**

Do not provoke vomiting. Consult physician. Attention in case of vomiting - acute danger of suffocating, produced by foaming ingredients. Rinse mouth. Make drink some glasses of water. The decision whether to provoke vomiting is to be taken by a physician.

**5. Fire-fighting measures**

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**Suitable extinguishing media**Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.

Fire-extinguishing activities according to surrounding.

**Extinguishing media which must not be used for safety reasons**

Full water jet.

**Special exposure hazards arising from substance or mixture itself, combustion products, resulting gases**

Fire may produce:

Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NO<sub>x</sub>).**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

**Additional information**

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6. Accidental release measures****Personal precautions**

Attention. Hazard of skidding.

Avoid contact with skin, eyes and clothing.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

**Methods for cleaning up/taking up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

**7. Handling and storage****Handling****Advice on safe handling**

Avoid contact with the skin and the eyes.

Keep tightly closed.

**Advice on protection against fire and explosion**

No special protective measures against fire required.

**Storage****Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with oxidizing agents.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

**8. Exposure controls/personal protection****Exposure limit values****Exposure limits (EH40)**

CAS No.	Chemical name	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	15	101.2		TWA (8 h)	WEL
		10	67.5		STEL (15 min)	WEL

**Exposure controls****Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

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**Protective and hygiene measures**

Avoid contact with eyes and skin.

Wash hands before breaks and at the end of workday.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

**Respiratory protection**

No personal respiratory protective equipment normally required.

**Hand protection**

Protective gloves resistant to chemicals made of nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove &lt;Camatril 735&gt; made by www.kcl.de.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Eye protection**

Safety goggles with side protection.

**Skin protection**

Long sleeved clothing.

**9. Physical and chemical properties****General information**

Physical state:	Liquid
Colour:	Bluish
Odour:	Characteristic

**Important health, safety and environmental information**

	Test method
<b>Changes in the physical state</b>	
Boiling point:	~ 100 °C
Flash point:	> 100 °C
Lower explosion limits:	n.d.
Ignition temperature:	n.d.
Density (at 20 °C):	~ 1,03 g/cm³
Water solubility: (at 20 °C)	Miscible

**10. Stability and reactivity****Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products**

Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NOx).

**Further information**

No decomposition if stored and applied as directed.

**11. Toxicological information****Empirical data on effects on humans**

Contact with eyes may cause irritation.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Watch out. Beware, hazard of foam aspiration.

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**12. Ecological information****Persistence and degradability**

The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Further information**

Ecological injuries are not known or expected under normal use.

Do not flush into surface water or sanitary sewer system.

Hazardous water pollutant.

**13. Disposal considerations****Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

**14. Transport information****Other applicable information**

No hazardous material as defined by the transport regulations.

**15. Regulatory information****Labelling**

According to EC-regulations the product is to be labelled as follows:

**Special labelling of certain mixtures**

Safety data sheet available for professional user on request.

**EU regulatory information**

1999/13/EC (VOC): 0 %

**National regulatory information**

Water contaminating class (D): 2 - water contaminating

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

22 Harmful if swallowed.

36 Irritating to eyes.

41 Risk of serious damage to eyes.

**Further Information**

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.



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(n.a. = not applicable; n.d. = not determined)

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*