

**Safety Data Sheet according to Regulation (EU) No. 1907/2006**

REMA TIP TOP GmbH

Revision date: 22.02.2010

Revision no.: 1,02

**TIP TOP NANO CLEAN & POLISH**

00156-0323



**1. Identification of the substance/preparation and of the company/undertaking**

**Identification of the substance or preparation**

TIP TOP NANO CLEAN & POLISH

**Art.-No.:**

593 1800

**Use of the substance/preparation**

Bicycle polish

**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**

**Classification**

Indications of danger : Irritant

R-phrases:

Flammable.

May cause sensitization by skin contact.

**3. Composition/information on ingredients**

**Chemical characterization ( Mixture )**

Solution of the following substances with non-hazardous admixtures

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
231-545-4	14808-60-7	Quartz	10 - 20 %	Xn R48/20
265-150-3	64742-48-9	Naphtha (petroleum)	1 - 10 %	Xn R65-66-67
	102782-97-8	Siloxanes and silicones, dimethyl, 3-(oxiranylmethoxy)propyl terminated	1 - 10 %	Xi R36/38-43

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

**Further Information**

According to note P to the regulation (EC) no. 1272/2008, "Naphtha (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

**4. First aid measures**

**General information**

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

Take away from danger area and lay down affected person.

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### After inhalation

Move to fresh air in case of accidental inhalation of vapours.  
In the event of persistent symptoms receive medical treatment.

### After contact with skin

In case of contact with skin wash off immediately 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 induce vomiting.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.  
Attention. Beware, danger of aspiration.

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## 5. Fire-fighting measures

### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

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

Full water jet.

### Special exposure hazards arising from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide and carbon dioxide.

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

### Special protective equipment for fire-fighters

In case of fire, wear suitable respiratory equipment with positive air supply.  
Protective suit.

### 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.

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## 6. Accidental release measures

### Personal precautions

In case of vapour formation use respirator.  
Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.

### Environmental precautions

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

### 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.

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## 7. Handling and storage

### Handling

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### **Advice on safe handling**

Keep container tightly closed.  
Use only in thoroughly ventilated areas.  
Avoid contact with the skin and the eyes.

### **Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.  
Do not smoke.  
Take precautionary measures against static discharges.

### **Storage**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

#### **Advice on storage compatibility**

Incompatible with oxidizing agents.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

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## **8. Exposure controls/personal protection**

### **Exposure limit values**

#### **Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.  
Pay attention to explosion protection guidelines.

#### **Protective and hygiene measures**

Do not inhale vapours.  
Wash hands before breaks and immediately after handling the product.  
When using, do not eat, drink or smoke.  
Treat subsequently with skin cream.  
Remove and wash contaminated clothes before re-use.

#### **Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

#### **Hand protection**

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) > 240 minutes, i.e. protective glove <Butoject 898> 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**

Eye wash bottle with pure water.  
Tightly fitting goggles

#### **Skin protection**

Long sleeved clothing.

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## **9. Physical and chemical properties**

### **General information**

Physical state :	Liquid
Colour :	White
Odour :	Characteristic

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**Important health, safety and environmental information**

pH-Value (at 20 °C) : 2,5

**Changes in the physical state**

Flash point : 23 °C

Lower explosion limits : n.d.

Upper explosion limits :

Vapour pressure : n.d.  
(at 20 °C)

Density : 1,1 g/cm<sup>3</sup>

Water solubility : Immiscible  
(at 20 °C)

**Other information**

Ignition temperature : n.d.

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**10. Stability and reactivity**

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Heating can release vapours which can be ignited.

**Materials to avoid**

Oxidizing agents.

**Hazardous decomposition products**

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).  
Carbon monoxide and carbon dioxide.

**Additional information**

No decomposition if stored and applied as directed.

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**11. Toxicological information**

**Empirical data on effects on humans**

May cause sensitization by skin contact.

Due to the low pH value the possibility of strong irritations in contact with skin, eyes or mucous membranes can not be excluded.

Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Attention. Beware, danger of aspiration!

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**12. Ecological information**

**Further information**

Do not flush into surface water or sanitary sewer system.

Low hazard to waters.

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**13. Disposal considerations**

**Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

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

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing dangerous substances  
Classified as hazardous waste.

**Waste disposal number of contaminated packaging**

150104 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging

**Contaminated packaging**

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**

**Land transport (ADR/RID)**

UN number : 1993  
ADR/RID class : 3  
Classification code : F1  
Warning plate  
Hazard-no. : 30  
Hazard label : 3  
ADR/RID packing group : III  
Limited quantity : LQ 7

**Description of the goods**

FLAMMABLE LIQUID, N.O.S. (hexamethyldisiloxane solution)

Tunnel restriction code: D/E

Transport category: 3

**Other applicable information (land transport)**

LQ 7: combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Marine transport**

UN number : 1993  
IMDG code : 3  
Marine pollutant : No  
Hazard label : 3  
IMDG packing group : III  
EmS : F-E; S-E  
Limited quantity : 5 L / 30 kg

**Description of the goods**

FLAMMABLE LIQUID, N.O.S. (hexamethyldisiloxane solution)

**Other applicable information (marine transport)**

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Air transport**

UN/ID number : 1993  
ICAO/IATA-DGR : 3  
Hazard label : 3

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ICAO packing group :	III
Limited quantity Passenger :	Y309 / 10 L
IATA-packing instructions - Passenger :	309
IATA-max. quantity - Passenger :	60 L
IATA-packing instructions - Cargo :	310
IATA-max. quantity - Cargo :	220 L

#### Other applicable information (air transport)

FLAMMABLE LIQUID, N.O.S. (hexamethyldisiloxane solution)

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## 15. Regulatory information

### Labelling

#### Additional advice on labelling

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

Danger symbols : Xi - Irritant



Xi - Irritant

#### Hazardous components which must be listed on the label

Siloxanes and silicones, dimethyl, 3-(oxiranylmethoxy)propyl terminated

### R phrases

- 10 Flammable.
- 43 May cause sensitization by skin contact.

### S phrases

- 02 Keep out of the reach of children.
- 24 Avoid contact with skin.
- 37 Wear suitable gloves.
- 46 If swallowed, seek medical advice immediately and show this container or label.

### EU regulatory information

1999/13/EC (VOC) : < 10 %

### National regulatory information

Employment restrictions : Observe employment restrictions for young people. Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class (D) : 1 - slightly water contaminating

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## 16. Other information

### Full text of R-phrases referred to under sections 2 and 3

- 10 Flammable.
- 36/38 Irritating to eyes and skin.
- 43 May cause sensitization by skin contact.
- 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

### Further Information

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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.

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

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