



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

### **Identification of the substance or preparation**

TIP TOP BRILLIANT GLOSS

#### **Art.-No.:**

593 1167

### **Use of the substance/preparation**

Car polish

### **Company/undertaking identification**

REMA TIP TOP GmbH

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D-85586 Poing

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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 : Extremely flammable, Irritant

R-phrases:

Extremely flammable.

Irritating to skin.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

### **Explication of special hazards for human health and environment**

In use, may form flammable/explosive vapour-air mixture.

Heating will cause pressure rise with risk of bursting.

## **3. Composition/information on ingredients**

### **Chemical characterization ( Mixture )**

Preparation with aliphatic hydrocarbons (free of aromatic hydrocarbons)

#### **Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
203-448-7	106-97-8	Butane	30 - 50 %	F+ R12
265-151-9	64742-49-0	Naphtha (petroleum)	20 - 30 %	F, N, Xi, Xn R11-38-51-53-65-67
200-827-9	74-98-6	Propane	10 - 20 %	F+ R12
200-857-2	75-28-5	isobutane	10 - 20 %	F+ R12

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.

Take away from danger area and lay down affected person.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off with soap and 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.

If eye irritation persists, consult a 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.

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

Protective suit.

**Additional information**

Heating will cause pressure rise with risk of bursting.

Cool containers at risk with water spray jet.

Vapours can form an explosive mixture with air.

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.

Use only explosion-proof equipment.

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

**Environmental precautions**

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

Do not discharge into the subsoil/soil.

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**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.

Use only in thoroughly ventilated areas.

**Advice on protection against fire and explosion**

Do not smoke - volatile.

Keep away from open flames, hot surfaces and sources of ignition.

Pay attention to anti-explosion rules.

Do not spray on a naked flame or any other incandescent material.

**Storage**

**Requirements for storage rooms and vessels**

Protect against direct sun radiation.

Keep container tightly closed.

Use only in well-ventilated areas.

**Advice on storage compatibility**

Incompatible 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/m³	mg/m³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

**Protective and hygiene measures**

Do not breath vapours or spray mist.

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

**Respiratory protection**

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

**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 <Camatril Velours 730> 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 : Aerosol  
Colour : Colourless  
Odour : Hydrocarbon-like

### Important health, safety and environmental information

#### Changes in the physical state

Flash point : - 60 °C \*)  
Lower explosion limits : 1,4 vol. %  
Upper explosion limits : 32 vol. %  
Vapour pressure : 3800 hPa  
(at 20 °C)  
Density (at 20 °C) : 0,66 g/cm<sup>3</sup>  
Water solubility : Immiscible  
(at 20 °C)

### Other information

Ignition temperature : 510 °C

\*) Propellant

## 10. Stability and reactivity

### Conditions to avoid

Vapours may form explosive mixture with air.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Heating will cause pressure rise with risk of bursting.

### Materials to avoid

Oxidizing agents.

### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

### Additional information

No decomposition if stored and applied as directed.

## 11. Toxicological information

### Empirical data on effects on humans

Irritating to skin.

Vapours may cause drowsiness and dizziness.

High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

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

## 12. Ecological information

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

REMA TIP TOP GmbH

Revision date: 22.02.2010

Revision no.: 1,17

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### Further information

Do not flush into surface water or sanitary sewer system.

Low hazard to waters.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 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

150111 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); metallic packaging containing a dangerous solid porous matrix (for example asbestos), including empty pressure containers  
Classified as hazardous waste.

#### Contaminated packaging

Offer empty spray cans to an established disposal company.

### 14. Transport information

#### Land transport (ADR/RID)

UN number :	1950
ADR/RID class :	2
Classification code :	5F
Warning plate	
Hazard label :	2.1
ADR/RID packing group :	-
Limited quantity :	LQ 2

#### Description of the goods

AEROSOLS

#### Other applicable information (land transport)

LQ 2: combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

Tunnel restriction code: D

Transport category: 2

#### Marine transport

UN number :	1950
IMDG code :	2.1
Marine pollutant :	No
Hazard label :	2.1
IMDG packing group :	-
EmS :	F-D; S-U
Limited quantity :	1 L / 30 kg

#### Description of the goods

AEROSOLS

#### Other applicable information (marine transport)

Limited quantities (chapter 3.4): combination packaging: 1 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass)

#### Air transport

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UN/ID number :	1950
ICAO/IATA-DGR :	2.1
Hazard label :	2.1
ICAO packing group :	-
Limited quantity Passenger :	Y203 / 30 kg
IATA-packing instructions - Passenger :	203
IATA-max. quantity - Passenger :	75 kg
IATA-packing instructions - Cargo :	203
IATA-max. quantity - Cargo :	150 kg

### Description of the goods

AEROSOLS, FLAMMABLE

## 15. Regulatory information

### Labelling

#### Additional advice on labelling

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

Danger symbols :

F+ - Extremely flammable; Xi - Irritant



F+ - Extremely flammable



Xi - Irritant

### R phrases

- 12 Extremely flammable.
- 38 Irritating to skin.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

### S phrases

- 23 Do not breathe spray .
- 51 Use only in well-ventilated areas.

### Special labelling for certain preparations

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

### EU regulatory information

1999/13/EC (VOC) : < 80 %

### 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

## 16. Other information

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

- 11 Highly flammable.

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12	Extremely flammable.
38	Irritating to skin.
51	Toxic to aquatic organisms.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
53	May cause long-term adverse effects in the aquatic environment.
65	Harmful: may cause lung damage if swallowed.
67	Vapours may cause drowsiness and dizziness.

#### 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.

(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.)*