



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

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

TIP TOP VULC COMPOUND B; free of chlorinated and aromatic hydrocarbons

**Art.-No.:**

516 1450, 516 1470, 516 9049, 516 9032, 516 9056, 516 9063

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

Filler rubber

### **Company/undertaking identification**

REMA TIP TOP GmbH

a company of the group

Stahlgruber Otto Gruber GmbH & Co KG

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Gruber Straße 65

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Telephone

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Inquiry office

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## **2. Hazards identification**

### **Classification**

Indications of danger : Highly flammable, Irritant, Dangerous for the environment

R-phrases :

Highly flammable.

Irritating to skin.

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

Vapours may cause drowsiness and dizziness.

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

### **Chemical characterization**

( preparation )

Preparation in aliphatic hydrocarbons

### **Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
265-151-9	64742-49-0	Naphtha (petroleum)	< 30 %	F, N, Xi, Xn R11-38-51-53-65-67
215-222-5	1314-13-2	zinc oxide	< 5 %	N R50-53
238-677-1	14634-93-6	Zinc-bis (N-ethyl-N-phenyldithiocarbamate)	< 5 %	Xi R36-53
226-733-8	5459-93-8	n-Cyclohexyl-N-ethylamine	< 3 %	C, Xn R10-22-34
212-344-0	793-24-8	N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine	< 1 %	Xi, N R43-50-53

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

### **Further Information**

According to note P to the directive 67/548/EEC, "Naphta (petroleum)" is not to be classified as

"carcinogenic" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

## **4. First aid measures**



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### General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

Take away from danger area and lay down affected person.

### After inhalation

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

Refer for medical treatment.

### After contact with skin

Wash off with soap and plenty of water.

Treat subsequently with skin cream.

Consult a doctor if skin irritation persists.

### After contact with eyes

If eye irritation persists, consult a specialist.

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

### After ingestion

Induce vomiting only upon the advice of a physician.

Attention. Beware, danger of aspiration.

Do not induce vomiting.

Summon a doctor immediately.

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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 arriving from substance or preparation 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.

Protective suit

### Additional information

Cool containers at risk with water spray jet.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Vapours are heavier than air and spread along ground.

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.



#### 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

Keep container tightly closed.  
Keep a good ventilation and air-exhaust at the place of work.  
Vapours are heavier than air and spread along ground.

#### Advice on protection against fire and explosion

Keep away from heat and sources of ignition.  
Do not smoke.  
Take precautionary measures against static discharges.  
Use only explosion-proof equipment.

### Storage

#### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.  
Pay attention to anti-explosion protection rules.

#### Advice on storage compatibility

Incompatible with oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### Storageclass (VCI)

3 A

## 8. Exposure controls/personal protection

### Exposure limit values

#### Exposure limits (EH40)

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
1314-13-2	Zinc oxide, fume (OLD)	-	5		TWA (8 h)	OES
	Zinc oxide, fume (OLD)	-	10		STEL (15 min)	OES

### Exposure controls

#### Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

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 clothing 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 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

Eye wash bottle with pure water.

Tightly fitting goggles

#### Skin protection

Long sleeved clothing.

## 9. Physical and chemical properties

### General information

Physical state	Pasty
Colour	Beige
Odour	Like petrol (gasoline )

### Important health, safety and environmental information

		Test method
<b>Changes in the physical state</b>		
Melting point	< - 20 °C	*)
Boiling point	63 - 100 °C	*)
Flash point	< - 25 °C	*)
<b>Flammability</b>		
Lower explosion limits	1,1 vol. %	*)
Upper explosion limits	7,4 vol. %	*)
Ignition temperature	> 200 °C	*)
Vapour pressure :	245,8 hPa	*)
at (20 °C)		
Density (at 20 °C) :	1,04 g/cm <sup>3</sup>	approx.
Water solubility :	Immiscible	
at (20 °C)		
Flow time :	> 100 s	6 DIN/ISO 2431
<b>Solvent content</b>		
< 30 %		

\*) Informations concern to solvent

## 10. Stability and reactivity

### Conditions to avoid

To avoid thermal decomposition, do not overheat.

Heating can release vapours which can be ignited.

Vapour/air-mixtures are explosive at intense warming.

### Materials to avoid

Strong oxidizing agents

### Hazardous decomposition products

Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).



#### **Additional information**

No decomposition if stored and applied as directed.

An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

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### **11. Toxicological information**

#### **Empirical data on effects on humans**

Irritating to skin.

Vapours may cause drowsiness and dizziness.

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

A longer or repeated contact may lead to irritation of eyes and mucous membranes.

Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitization of susceptible persons.

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### **12. Ecological information**

#### **Further information**

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

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

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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.

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

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances

Classified as hazardous waste.

#### **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.

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### **14. Transport information**

#### **Land transport (ADR/RID)**

ADR/RID class	3
Classification code :	F1
Hazard-no.	33
UN number	1133
Hazard label	3
ADR/RID packing group	III
Limited quantity	LQ 7

**Description of the goods**

Adhesives

**Remarks (land transport)**

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

**Inland waterways transport****Marine transport**

IMDG code	3
UN number	1133
Marine pollutant	No
EmS	F-E; S-D
IMDG packing group	III
Limited quantity :	5 L / 30 kg
Hazard label	3

**Description of the goods**

ADHESIVES

**Remarks (marine transport)**

Receptacle max. 30 L, IMDG Code subsection 2.3.2.3

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

**Air transport**

ICAO/IATA-DGR	3
UN/ID number	1133
Hazard label	3
IATA-packing instructions - Passenger	309
IATA-max. quantity - Passenger	30 L (*)
IATA-packing instructions - Cargo	310
IATA-max. quantity - Cargo	30 L (*)
ICAO packing group	III
Limited quantity Passenger	Y309 / 10 L

**Description of the goods**

ADHESIVES

**Remarks (air transport)**

\*) [3.3.3.1 IATA DGR]

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

Indication of danger F - Highly flammable; Xi - Irritant; N - Dangerous for the environment

Additional advice on labelling According to EEC-regulations the product is to be labelled as follows:

**R phrases**

11	Highly flammable.
38	Irritating to skin.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67	Vapours may cause drowsiness and dizziness.

**S phrases**

16	Keep away from sources of ignition - No smoking.
23	Do not breathe vapour.
24	Avoid contact with skin.

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

REMA TIP TOP GmbH

Revision date : 07.09.2007

Revision no. : 1,16

**TIP TOP VULC COMPOUND B; free of chlorinated and aromatic hydrocarbons**

00156-0113



- 33 Take precautionary measures against static discharges.
- 35 This material and its container must be disposed of in a safe way.
- 37 Wear suitable gloves.
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

**Special labelling for certain preparations**

Contains N-(1,3-Dimethylbutyl)-N'-phenyl-p-phenylenediamine . May produce an allergic reaction.

**National regulatory information**

Employment restrictions	Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class 1999/13/EC (VOC)	1 - slightly water contaminating < 30 %

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**16. Other information**

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

- 10 Flammable.
- 11 Highly flammable.
- 22 Harmful if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 38 Irritating to skin.
- 43 May cause sensitization by skin contact.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 51/53 Toxic 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.

**Other data**

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.)*