

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

### 1.1. Product identifier

TIP TOP INTERMEDIATE RUBBER STZ, unvulcanized

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Connecting material (cover plate) for steel-rope belts

### 1.3. Details of the supplier of the safety data sheet

Company name: REMA TIP TOP AG  
Street: Gruber Strasse 63  
Place: D-85586 Poing  
Telephone: +49 (0) 8121 / 707 - 0  
Verantwortlich für das Sicherheitsdatenblatt: sds@gbk-ingelheim.de

### 1.4. Emergency telephone

**number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24  
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Indications of danger: T - Toxic, N - Dangerous for the environment

R phrases:

May cause harm to the unborn child.

Danger of cumulative effects.

May cause sensitisation by skin contact.

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

#### GHS classification

Hazard categories:

Respiratory/skin sensitization: Skin Sens. 1

Reproductive toxicity: Repr. 1A

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

May cause an allergic skin reaction.

May damage the unborn child. Suspected of damaging fertility.

Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

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

Colophony

Lead(II)-oxide

N-phenyl-1-naphthylamine

N,N-dicyclohexylbenzothiazole-2-sulphenamide

Methenamine

N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine

Signal word:

Danger

Pictograms:

GHS07-GHS08-GHS09



#### Hazard statements

H317

May cause an allergic skin reaction.

H360Df

May damage the unborn child. Suspected of damaging fertility.

H411

Toxic to aquatic life with long lasting effects.



**Precautionary statements**

- |           |   |
|-----------|---|
| P201      | Obtain special instructions before use.                                   |
| P202      | Do not handle until all safety precautions have been read and understood. |
| P281      | Use personal protective equipment as required.                            |
| P273      | Avoid release to the environment.   |
| P302+P352 | IF ON SKIN: Wash with plenty of water.                                    |

**Additional advice on labelling**

According to annexe VI to the Directive 67/548/EEC, section 9.3 [specific provisions on labelling applying for alloys, mixtures containing polymers, mixtures containing elastomers] this product is not subject to labelling.

**2.3. Other hazards**

Not known.

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**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixture containing following substances with additives

**Hazardous components**

| EC No            | Chemical name   | Quantity |
|------------------|---|----------|
| CAS No           | Classification  |          |
| Index No         | GHS classification  |          |
| REACH No         |   |          |
| 215-222-5        | Zinc oxide  | < 10 %   |
| 1314-13-2        | N - Dangerous for the environment R50-53  |          |
| 030-013-00-7     | Aquatic Acute 1, Aquatic Chronic 1; H400 H410   |          |
| 01-2119463881-32 |   |          |
| 232-475-7        | Colophony   | < 5 %    |
| 8050-09-7        | R43   |          |
| 650-015-00-7     | Skin Sens. 1; H317  |          |
| 01-2119480418-32 |   |          |
| 215-267-0        | Lead(II)-oxide  | < 5 %    |
| 1317-36-8        | Repr. Cat. 1, Repr. Cat. 3, Xn - Harmful, N - Dangerous for the environment<br>R61-62-20/22-33-50-53                    |          |
|                  | Acute Tox. 4, Acute Tox. 4, STOT RE 2, Repr. 1A, Aquatic Acute 1, Aquatic Chronic 1;<br>H332 H302 H373 H360Df H400 H410 |          |
| 01-2119531110-62 |   |          |
| 203-585-2        | 1,4-Dihydroxybenzene  | < 5 %    |
| 108-46-3         | Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R22-36/38-50   |          |
| 604-010-00-1     | Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1; H302 H315 H319 H400   |          |
| 01-2119480136-40 |   |          |
| 202-905-8        | Methenamine   | < 1 %    |
| 100-97-0         | F - Highly flammable R11-43   |          |
| 612-101-00-2     | Flam. Sol. 2, Skin Sens. 1; H228 H317   |          |
| 01-2119474895-20 |   |          |
| 201-983-0        | N-phenyl-1-naphthylamine  | < 1 %    |
| 90-30-2          | Xn - Harmful, N - Dangerous for the environment R22-43-50-53  |          |
|                  | Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H317 H400<br>H410                                  |          |
| 01-2119488704-27 |   |          |
| 212-344-0        | N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine  | < 1 %    |
| 793-24-8         | Xn - Harmful, N - Dangerous for the environment R22-43-50-53  |          |
|                  | Acute Tox. 4, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H302 H317 H400<br>H410                                  |          |
| 01-2119485839-15 |   |          |
| 225-625-8        | N,N-dicyclohexylbenzothiazole-2-sulphenamide  | < 1 %    |
| 4979-32-2        | N - Dangerous for the environment R43-50-53   |          |
|                  | Skin Sens. 1, Aquatic Acute 1; H317 H400  |          |
| 01-2119488923-23 |   |          |

Full text of R and H phrases: see Section 16.

**Further Information**

SVHC substance [Regulation (EC) No 1907/2006, Article 57]: Lead(II)-oxide

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

No hazards which require special first aid measures.

**After inhalation**

Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.

**After contact with skin**

Wash with water and soap as a precaution.

**After ingestion**

Ingestion is not considered a potential route of exposure.

**4.2. Most important symptoms and effects, both acute and delayed**

May cause sensitization of susceptible persons by skin contact.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Any extinguishing means and measures are acceptable. Fire-extinguishing activities according to surrounding.

**Unsuitable extinguishing media**

Full water jet.

**5.2. Special hazards arising from the substance or mixture**

Fire may produce:

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

**5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.

Protective suit.

**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

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

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**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation.

In case of vapour formation use respirator.

Avoid contact with skin, eyes and clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

**6.3. Methods and material for containment and cleaning up**

Take up mechanically and collect in suitable container for disposal.

Where possible recycling is preferred to disposal.

**6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

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**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Do not breathe vapours.

Avoid contact with the skin and the eyes.

**Advice on protection against fire and explosion**

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

The product is flammable but not readily ignited.

**7.2. Conditions for safe storage, including any incompatibilities**

**Requirements for storage rooms and vessels**

Keep in a dry, cool place.

**Advice on storage compatibility**

Incompatible with:

Nitrous acid and other nitrosating agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

Connecting material (cover plate) for steel-rope belts

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No    | Substance                    | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|-----------|------------------------------|-----|-------------------|-----------|---------------|--------|
| 1333-86-4 | Carbon black                 | -   | 3.5               |           | TWA (8 h)     | WEL    |
|           |                              | -   | 7                 |           | STEL (15 min) | WEL    |
| 108-46-3  | Resorcinol                   | 10  | 46                |           | TWA (8 h)     | WEL    |
|           |                              | 20  | 92                |           | STEL (15 min) | WEL    |
| 8050-09-7 | Rosin-based solder flux fume | -   | 0.05              |           | TWA (8 h)     | WEL    |
|           |                              | -   | 0.15              |           | STEL (15 min) | WEL    |

#### 8.2. Exposure controls

##### Appropriate engineering 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.

##### Hand protection

Protective gloves

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.

##### Skin protection

Long sleeved clothing (EN 368).

##### Respiratory protection

In case of respirable dust and/or fumes, use a self-contained breathing apparatus.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|                                 |                               |
|---------------------------------|-------------------------------|
| Physical state:                 | Solid                         |
| Colour:                         | Black                         |
| Odour:                          | characteristic                |
| Flash point:                    | n.a.                          |
| Lower explosion limits:         | n.a.                          |
| Density (at 23 °C):             | 1,06 - 1,11 g/cm <sup>3</sup> |
| Water solubility:<br>(at 20 °C) | insoluble                     |
| Ignition temperature:           | n.a.                          |

#### 9.2. Other information

No data available.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No decomposition if stored and applied as directed.

#### 10.2. Chemical stability

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions**

Reacts with:

Nitrous acid and other nitrosating agents.

### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.

### **10.5. Incompatible materials**

Nitrous acid and other nitrosating agents.

### **10.6. Hazardous decomposition products**

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

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

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Acute toxicity**

Based on available data, the classification criteria are not met.

#### **Irritation and corrosivity**

Based on available data, the classification criteria are not met.

#### **Sensitising effects**

May cause an allergic skin reaction. (Colophony ), (Methenamine ), (N-phenyl-1-naphthylamine), (N-1,3-dimethylbutyl-N'-phenyl-p-phenylenediamine), (N,N-dicyclohexylbenzothiazole-2-sulphenamide)

#### **STOT-single exposure**

Based on available data, the classification criteria are not met.

#### **Severe effects after repeated or prolonged exposure**

Based on available data, the classification criteria are not met.

#### **Carcinogenic/mutagenic/toxic effects for reproduction**

May damage the unborn child. Suspected of damaging fertility. (Lead(II)-oxide )

#### **Aspiration hazard**

Based on available data, the classification criteria are not met.

#### **Additional information on tests**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

### **Practical experience**

#### **Other observations**

May cause sensitization of susceptible persons by skin contact.

#### **Further information**

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Ecological data are not available.

### **12.2. Persistence and degradability**

No data available.

### **12.3. Bioaccumulative potential**

No data available.

### **12.4. Mobility in soil**

No data available.

### **12.5. Results of PBT and vPvB assessment**

No data available.

### **12.6. Other adverse effects**

No data available.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

Ecological injuries are not known or expected under normal use.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **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**

191204 WASTES FROM WASTE MANAGEMENT FACILITIES, OFF-SITE WASTE WATER TREATMENT PLANTS AND THE PREPARATION OF WATER INTENDED FOR HUMAN CONSUMPTION AND WATER FOR INDUSTRIAL USE; wastes from the mechanical treatment of waste (for example sorting, crushing, compacting, pelletising) not otherwise specified; plastic and rubber

#### **Contaminated packaging**

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

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## SECTION 14: Transport information

**Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)**

### 14.1. UN number:

No hazardous material as defined by the transport regulations.

### 14.2. UN proper shipping name:

No hazardous material as defined by the transport regulations.

### 14.3. Transport hazard class(es):

No hazardous material as defined by the transport regulations.

### 14.4. Packing group:

No hazardous material as defined by the transport regulations.

### 14.5. Environmental hazards

No hazardous material as defined by the transport regulations.

### 14.6. Special precautions for user

No hazardous material as defined by the transport regulations.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No hazardous material as defined by the transport regulations.

### 14.6. Special precautions for user

No specific precautions required.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

The transport takes place only in approved and appropriate packaging.

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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### **EU regulatory information**

1999/13/EC (VOC): 0 %

#### **National regulatory information**

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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## SECTION 16: Other information

#### **Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC = Code International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

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

|       |   |
|-------|---|
| 11    | Highly flammable.   |
| 20/22 | Harmful by inhalation and if swallowed.   |
| 22    | Harmful if swallowed.   |
| 33    | Danger of cumulative effects.   |
| 36/38 | Irritating to eyes and skin.  |
| 43    | May cause sensitisation by skin contact.  |
| 50    | Very 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.                             |
| 61    | May cause harm to the unborn child.   |
| 62    | Possible risk of impaired fertility.  |

#### Full text of H statements referred to under Sections 2 and 3

|        |  |
|--------|--|
| H228   | Flammable solid.   |
| H302   | Harmful if swallowed.  |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.                               |
| H319   | Causes serious eye irritation.                                     |
| H332   | Harmful if inhaled.  |
| H360Df | May damage the unborn child. Suspected of damaging fertility.      |
| H373   | May cause damage to organs through prolonged or repeated exposure. |
| H400   | Very toxic to aquatic life.  |
| H410   | Very toxic to aquatic life with long lasting effects.              |
| H411   | Toxic to aquatic life with long lasting effects.                   |

#### 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)

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