

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 1 of 10

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

### 1.1. Product identifier

TIP TOP CHEMOLINE 5B unv.

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

#### Use of the substance/mixture

Corrosion protection rubber

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

Company name: REMA TIP TOP AG  
Street: Gruber Strasse 65  
Place: D-85586 Poing  
Telephone: +49 (0) 8121 / 707 - 100  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**1.4. Emergency telephone number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
Public Poisons Information Line: +353 (0) 1 809 2166 (8am-10pm 7 days a week)

### Further Information

EC-SDS applicable for following products:  
CHEMOLINE 5B (unvulcanized)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No 1272/2008

Skin Sens. 1; H317  
Carc. 2; H351  
Repr. 1A; H360Df  
STOT RE 2; H373  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### Regulation (EC) No 1272/2008

#### Hazard components for labelling

Lead tetroxide  
Rosin, colophony  
Di(benzothiazol-2-yl) disulphide  
Thiram

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer.  
H360Df May damage the unborn child. Suspected of damaging fertility.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H411 Toxic to aquatic life with long lasting effects.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 2 of 10

#### Precautionary statements

P202	Do not handle until all safety precautions have been read and understood.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P273	Avoid release to the environment.

#### Special labelling of certain mixtures

Restricted to professional users.

#### Additional advice on labelling

According to Regulation (EC) No 1272/2008 Annex I section 1.3.4 [Metals in massive form, alloys, mixtures containing polymers, mixtures containing elastomers] this product is not subject to labelling.

As an article the product does not need to be labelled in accordance with EC-regulations or respective national laws.

#### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Crude rubber with antioxidant and accelerator

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
1314-41-6	Lead tetroxide			< 5 %
	215-235-6		01-2119517589-27	
	Carc. 2, Repr. 1A, Acute Tox. 4, Acute Tox. 4, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H351 H360Df H332 H302 H372 H400 H410			
8050-09-7	Rosin, colophony			< 5 %
	232-475-7	650-015-00-7	01-2119480418-32	
	Skin Sens. 1; H317			
120-78-5	Di(benzothiazol-2-yl) disulphide			< 1 %
	204-424-9	613-135-00-0	01-2119489366-24	
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410 EUH031			
137-26-8	Thiram			< 1 %
	205-286-2	006-005-00-4	01-2119492301-45	
	Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H332 H302 H315 H319 H317 H373 H400 H410			
96-45-7	Ethylene thiourea			< 1 %
	202-506-9	613-039-00-9	01-2119541697-28	
	Repr. 1B, Acute Tox. 4; H360D H302			

Full text of H and EUH statements: see section 16.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 3 of 10

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
1314-41-6	215-235-6	Lead tetroxide	< 5 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = > 10000 mg/kg	
120-78-5	204-424-9	Di(benzothiazol-2-yl) disulphide	< 1 %
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
137-26-8	205-286-2	Thiram	< 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = 3460 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1800 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10	
96-45-7	202-506-9	Ethylene thiourea	< 1 %
		oral: ATE = 500 mg/kg	

#### Further Information

This product contains (a) substance(s) included on the candidate list according to article 59 (1,10) of regulation EC No. 1907/2006 ("REACH") in a concentration  $\geq$  0,1 %:  
 Lead tetroxide  
 Ethylene thiourea

### 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.

### 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).

Bromine compounds

Chlorine compounds

#### 5.3. Advice for firefighters

Use breathing apparatus with independent air supply.

Protective suit.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 4 of 10

#### 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.

### SECTION 6: Accidental release measures

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

##### General advice

Ensure adequate ventilation.  
Keep away noninvolved persons.

##### For non-emergency personnel

Avoid contact with skin, eyes and clothing.

##### For emergency responders

In case of vapour formation use respirator.  
Use personal protective clothing.

#### 6.2. Environmental precautions

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

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

##### For containment

No special measures required.

##### For 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).  
Informations for disposal look up chapter 13.

### 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.

##### Hints on joint storage

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)

Corrosion protection rubber

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**TIP TOP CHEMOLINE 5B unv.**

Revision date: 30.10.2023

Product code: 00156-0532

Page 5 of 10

**Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
1333-86-4	Carbon black (Inhalable Fraction)	-	3		TWA (8 h)	
137-26-8	Thiram (ISO) (Inhalable Fraction and Vapour)	-	0.05		TWA (8 h)	

**Additional advice on limit values**

This product does not contain any substances for which a Workplace Exposure Limit has been set in concentrations above the limits.

**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 (DIN EN ISO 6530)

**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	
pH-Value:		n.a.

**Changes in the physical state**

Melting point/freezing point:	n. d.
Boiling point or initial boiling point and boiling range:	n.a.
Sublimation point:	n.a.
Softening point:	n. d.
Pour point:	n. d.
Flash point:	n.a.

**Flammability**

Solid/liquid:	n. d.
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**Explosive properties**

The product is not explosive.

Lower explosion limits:	n.a.
Upper explosion limits:	n.a.
Auto-ignition temperature:	n.a.

**Self-ignition temperature**

Solid:	n. d.
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**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**TIP TOP CHEMOLINE 5B unv.**

Revision date: 30.10.2023

Product code: 00156-0532

Page 6 of 10

Gas:	n.a.
Decomposition temperature:	n. d.
<b>Oxidizing properties</b>	
Non oxidizing.	
Vapour pressure:	n.a.
Density (at 23 °C):	1,23 - 1,34 g/cm <sup>3</sup>
Bulk density:	n. d.
Water solubility: (at 20 °C)	Insoluble
<b>Solubility in other solvents</b>	
n. d.	
Partition coefficient n-octanol/water:	n. d.
Viscosity / dynamic:	n. d.
Viscosity / kinematic:	n. d.
Flow time:	n. d.
Relative vapour density:	n. d.
Evaporation rate:	n. d.
Solvent separation test:	n.a.
Solvent content:	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**

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

Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).  
Bromine compounds  
Chlorine compounds

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**TIP TOP CHEMOLINE 5B unv.**

Revision date: 30.10.2023

Product code: 00156-0532

Page 7 of 10

Based on available data, the classification criteria are not met.  
No toxicological data available.

**ATEmix calculated**

ATE (oral) 11639 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 256,1 mg/l; ATE (inhalation dust/mist) 34,92 mg/l

**Irritation and corrosivity**

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

**Sensitising effects**

May cause an allergic skin reaction. (Rosin, colophony; Di(benzothiazol-2-yl) disulphide; Thiram)  
May cause sensitization of susceptible persons by skin contact.

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

Suspected of causing cancer. (Lead tetroxide)  
May damage the unborn child. Suspected of damaging fertility. (Lead tetroxide)  
Germ cell mutagenicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

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

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (Lead tetroxide)

**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.

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available

**Further information**

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.  
Product contains low quantities of components with the classification "toxic for reproduction". Nevertheless it is not hazardous to health if inhaled, swallowed or in case of contact with skin under this form.

**SECTION 12: Ecological information****12.1. Toxicity**

Ecological data are not available.  
Because of the low solubility a toxicity to aquatic organisms is not to be expected.

**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**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.

**12.7. Other adverse effects**

No data available



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 8 of 10

#### Further information

Do not flush into surface water or sanitary sewer system.  
Ecological injuries are not known or expected under normal use.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal.

##### List of Wastes Code - 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.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Inland waterways transport (ADN)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Marine transport (IMDG)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

#### Air transport (ICAO-TI/IATA-DGR)

<b>14.1. UN number:</b>	No dangerous good in sense of this transport regulation.
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of this transport regulation.
<b>14.3. Transport hazard class(es):</b>	No dangerous good in sense of this transport regulation.
<b>14.4. Packing group:</b>	No dangerous good in sense of this transport regulation.

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 5B unv.

Revision date: 30.10.2023

Product code: 00156-0532

Page 9 of 10

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

##### EU regulatory information

Authorisations (REACH, annex XIV):

 Substances of very high concern, SVHC (REACH, article 59):  
 Lead tetroxide; Ethylene thiourea

Restrictions on use (REACH, annex XVII):

Entry 30, Entry 63, Entry 75

2004/42/EC (VOC):

0 %

 Information according to 2012/18/EU  
 (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

##### National regulatory information

#### 15.2. Chemical safety assessment

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

### 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  
 vPvB = Very Persistent and very Bio-accumulative  
 LD = Lethal dose  
 LC = Lethal concentration  
 EC = Effect concentration  
 IC = Median immobilisation concentration or median inhibitory concentration

#### Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method
Carc. 2; H351	Calculation method
Repr. 1A; H360Df	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.  
 H315 Causes skin irritation.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**TIP TOP CHEMOLINE 5B unv.**

Revision date: 30.10.2023

Product code: 00156-0532

Page 10 of 10

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H360D	May damage the unborn child.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H372	Causes damage to organs through prolonged or repeated exposure.
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.
EUH031	Contact with acids liberates toxic gas.

**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.)*