

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CHEMOLINE 70 unv.

Revision date: 15.02.2022

Product code: 00156-0470

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

### 1.1. Product identifier

TIP TOP CHEMOLINE 70 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)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Repr. 1B; H360D  
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

2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Signal word: Danger

##### Pictograms:



##### Hazard statements

H360D May damage the unborn child.  
H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P201 Obtain special instructions before use.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P391 Collect spillage.

##### Special labelling of certain mixtures

EUH208 Contains Benzothiazole-2-thiol, Thiram. May produce an allergic reaction.  
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

##### 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.

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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.

### 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			
13463-67-7	Titanium dioxide			< 5 %
	236-675-5	022-006-00-2	01-2119489379-17	
	Carc. 2; H351			
149-30-4	Benzothiazole-2-thiol			< 1 %
	205-736-8	613-108-00-3	01-2119485805-26	
	Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H317 H400 H410			
15571-58-1	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate			< 1 %
	239-622-4	050-027-00-7	01-2119486133-40	
	Repr. 1B, Acute Tox. 4, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H360D H302 H372 H400 H410			
27107-89-7	2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate			< 1 %
	248-227-6		01-2119498296-22	
	Repr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H360D H400 H410			
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			

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

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

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
15571-58-1	239-622-4	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	< 1 %
		oral: ATE = 500 mg/kg	
27107-89-7	248-227-6	2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate	< 1 %
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=10	
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	

##### Further Information

SVHC substance [Regulation (EC) No 1907/2006, Article 57]

2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

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Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .

#### 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 (NO<sub>x</sub>).

Bromine compounds

Chlorine compounds

##### 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.

#### 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.

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#### **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**

##### **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)	
9002-86-2	Polyvinyl chloride (PVC), respirable dust	-	1		TWA (8 h)	
137-26-8	Thiram (ISO) (Inhalable Fraction and Vapour)	-	0.05		TWA (8 h)	
13463-67-7	Titanium dioxide, total inhalable dust	-	10		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.

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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:	Various	
Odour:	Characteristic	
pH-Value:		n.a.

#### Changes in the physical state

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

#### Flammability

Solid/liquid:		n. d.
		n.a.

#### 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.
Gas:		n.a.
Decomposition temperature:		n. d.

#### Oxidizing properties

Not oxidising.

Vapour pressure:		n.a.
Density (at 23 °C):	1,16 - 1,20 g/cm <sup>3</sup>	
Water solubility: (at 20 °C)		Insoluble

#### Solubility in other solvents

n. d.

Partition coefficient n-octanol/water:		n.a.
Viscosity / dynamic:		n.a.
Viscosity / kinematic:		n.a.



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Flow time:	n.a.
Relative vapour density:	n.a.
Evaporation rate:	n.a.
Solvent separation test:	0 %
Solvent content:	0 %

#### **9.2. Other information**

Solid content:	100 %
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### 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**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).  
Bromine compounds  
Chlorine compounds  
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 hazard classes as defined in Regulation (EC) No 1272/2008**

##### **Acute toxicity**

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

##### **ATE<sub>mix</sub> calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

##### **Irritation and corrosivity**

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

##### **Sensitising effects**

Contains Benzothiazole-2-thiol, Thiram. May produce an allergic reaction.  
May cause sensitization of susceptible persons by skin contact.

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

May damage the unborn child. (2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate; 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate)  
Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.



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

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

#### **STOT-repeated exposure**

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

#### **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 dates 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 meets the criteria.

#### **12.7. 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.

### **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

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#### 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

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

##### EU regulatory information

Authorisations (REACH, annex XIV):

2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate

Restrictions on use (REACH, annex XVII):

Entry 30, 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.



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#### SECTION 16: Other information

##### Changes

This data sheet contains changes from the previous version in section(s): 3,6,7,8,11,12.

##### 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
Repr. 1B; H360D	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.  
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.  
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.  
EUH208 Contains Benzothiazole-2-thiol, Thiram. May produce an allergic reaction.  
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

##### 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.

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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.)*