# Safety Data Sheet

according to WHMIS

## TIP TOP CHEMOLINE 4A, 4B, 4CN, 4V unv.



## 1. Identification

**Product identifier**

TIP TOP CHEMOLINE 4A, 4B, 4CN, 4V unv.

**Relevant identified uses of the substance or mixture and uses advised against**

**Use of the substance/mixture**

Corrosion protection rubber

**Details of the supplier of the safety data sheet**


| | | |
|---|---|---|
| Company name: | TIP TOP Oberflaechenschutz Elbe GmbH | |
| Street: | Heuweg 4 | |
| Place: | D-06886 Wittenberg | |
| Telephone: | +49(0)3491/635-50 | Telefax: +49(0)3491/635-552 |
| Responsible Department: | Responsible for the safety data sheet: sds@gbk-ingelheim.de | |


**Emergency telephone number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
(001) 352 323 3500 Infotrac/GBK GmbH-ID: 93591a

**Further Information**

EC-SDS applicable for following products:
CHEMOLINE 4A, CHEMOLINE 4B, CHEMOLINE 4CN, CHEMOLINE 4V (unvulcanized)

## 2. Hazard identification

**Classification of the substance or mixture**

**WHMIS 2015**

Carcinogenicity: Carc. 2
Reproductive toxicity: Repr. 1A
Respiratory or skin sensitization: Skin Sens. 1
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazardous to the aquatic environment: Aquatic Chronic 2

**Label elements**

**WHMIS 2015**

**Signal word:** Danger

**Pictograms:**

**Hazard statements**

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

**Precautionary statements**

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

**Additional advice on labelling**

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

**Other hazards**

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

## 3. Composition/information on ingredients

**Mixtures**

**Chemical characterization**

Crude rubber with antioxidant and accelerator

**Hazardous components**

| CAS No | Chemical name | Quantity |
|---|---|---|
| 1314-41-6 | Lead tetroxide | < 5 % |
| 120-78-5 | Di(benzothiazol-2-yl) disulphide | < 1 % |
| 137-26-8 | Thiram | < 1 % |
| 96-45-7 | Ethylene thiourea | < 1 % |

**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 =/> 0,1 %:
Lead tetroxide
Ethylene thiourea

## 4. First-aid measures

**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.

**Most important symptoms and effects, whether acute or delayed**

May cause sensitization of susceptible persons by skin contact.

**Indication of immediate medical attention and special treatment needed**

Treat symptoms.

## 5. Fire-fighting measures

**Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

Full water jet.

**Specific hazards arising from the hazardous product**

Fire may produce:
Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NOx).
Bromine compounds
Chlorine compounds

**Special protective equipment and precautions for fire-fighters**

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.

## 6. Accidental release measures

**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.

**Environmental precautions**

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

**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.

**Reference to other sections**

Observe protective instructions (see Sections 7 and 8).
Information for disposal look up chapter 13.

## 7. Handling and storage

**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.

**Advice on general occupational hygiene**

Wash hands before breaks and immediately after handling the product.
When using do not eat, drink or smoke.

**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.

## 8. Exposure controls/Personal protection

**Control parameters**

**Exposure limits (ACGIH)**

| CAS No | Chemical name | ppm | mg/m³ | F/ml | Category | Origin |
|---|---|---|---|---|---|---|
| 1333-86-4 | Carbon black (inhalable fraction) | | 3 | | TWA (8 h) | ACGIH-2024 |
| 137-26-8 | Thiram (inhalable fraction and vapor) | 0.005 | 0.05 | | TWA (8 h) | ACGIH-2024 |

**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.

**Exposure controls**

**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**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.

**Respiratory protection**

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

## 9. Physical and chemical properties

**Information on basic physical and chemical properties**

| | |
|---|---|
| Physical state: | Solid |
| Colour: | Black |
| Odour: | Characteristic |

**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. |

**Explosive properties**

The product is not explosive.

| | |
|---|---|
| Lower explosive limits: | n.a. |
| Upper explosive limits: | n.a. |
| Auto-ignition temperature: | n.a. |

**Self-ignition temperature**

| | |
|---|---|
| Solid: | n. d. |
| Gas: | n.a. |
| Decomposition temperature: | n. d. |

| | |
|---|---|
| pH-Value: | n.a. |
| Viscosity / dynamic: | n. d. |
| Viscosity / kinematic: | n. d. |
| Flow time: | n. d. |
| Water solubility: (at 20 °C) | Insoluble |

**Solubility in other solvents**

n. d.

| | |
|---|---|
| Partition coefficient n-octanol/water: | n. d. |
| Vapour pressure: | n.a. |
| Density (at 23 °C): | 1,23 - 1,34 g/cm³ |
| Bulk density: | n. d. |
| Relative vapour density: | n. d. |

**Other information**

**Information with regard to physical hazard classes**

Oxidizing properties

Non oxidizing.

**Other safety characteristics**

| | |
|---|---|
| Solvent separation test: | n.a. |
| Solvent content: | n.a. |
| Evaporation rate: | n. d. |

**Further Information**

No data available

## 10. Stability and reactivity

**Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Reacts with:
Nitrous acid and other nitrosating agents.

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**Incompatible materials**

Nitrous acid and other nitrosating agents.

**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 (NOx).
Bromine compounds
Chlorine compounds

## 11. Toxicological information

**Information on toxicological effects**

**Acute toxicity**

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

**ATEmix calculated**

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 12,5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

**Sensitizing effects**

May cause an allergic skin reaction. (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**

Causes 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.

**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.

## 12. Ecological information

**Ecotoxicity**

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

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**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.

**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.

## 13. Disposal considerations

**Waste treatment methods**

**Disposal recommendations**

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

**Contaminated packaging**

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

## 14. Transport information

**Canadian TDG**

| | |
|---|---|
| **Proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **Hazard classes:** | |

**Marine transport (IMDG)**

| | |
|---|---|
| **UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **United Nations proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **Packing group:** | No dangerous good in sense of this transport regulation. |

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

| | |
|---|---|
| **UN number or ID number:** | No dangerous good in sense of this transport regulation. |
| **United Nations proper shipping name:** | No dangerous good in sense of this transport regulation. |
| **Transport hazard class(es):** | No dangerous good in sense of this transport regulation. |
| **Packing group:** | No dangerous good in sense of this transport regulation. |

**Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

## 15. Regulatory information

**Canadian regulations**

## 16. Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 2,3,11.

**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

**Further Information**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release 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 relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*