

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

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

Revision date: 06/24/2025

Product code: 00359-1392

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laws.

Hazards not otherwise classified

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	Components	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 \geq 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, both acute and delayed

May cause sensitization in susceptible persons by skin contact.

Indication of any 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 building materials.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Fire may produce:

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

Bromine compounds

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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.

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8. Exposure controls/personal protection**Control parameters****Exposure limits**

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
1333-86-4	Carbon black (in presence of polycyclic aromatic hydrocarbons (PAHs)) (as PAHs)	-	0.1		TWA (8 h)	REL
1333-86-4	Carbon black (inhalable fraction)		3		TWA (8 h)	ACGIH-2024
1333-86-4	Carbon black	-	3.5		TWA (8 h)	PEL
96-45-7	Ethylene thiourea				as low as possible	REL
137-26-8	Thiram (inhalable fraction and vapor)	0.005	0.05		TWA (8 h)	ACGIH-2024
137-26-8	Thiram	-	5		TWA (8 h)	PEL
		-	5		TWA (8 h)	REL

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
Color: Black
Odor: 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.

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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.

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: Insoluble
(at 20 °C)**Solubility in other solvents**

n.d.

Partition coefficient n-octanol/water: n.d.

Vapor 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

Stability: Stable

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

Reacts with:

Nitrous acid and other nitrosating agents.

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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 (NO_x).

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 in 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.

Specific target organ toxicity (STOT) - single exposure

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

Specific target organ toxicity (STOT) - repeated exposure

Causes damage to organs through prolonged or repeated exposure (Lead tetroxide)

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): Carbon black (CAS 1333-86-4) is listed in group 2B. Thiram (CAS 137-26-8) is listed in group 3. Ethylene thiourea (CAS 96-45-7) is listed in group 3.

Carcinogenicity (NTP): Ethylene thiourea (CAS 96-45-7) is listed in group RAHC.

Aspiration hazard

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

Additional information on tests

This product is classified in accordance with the GHS regulations.

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.

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12. Ecological information**Ecotoxicity**

Ecological data 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**U.S. DOT 49 CFR 172.101****Proper shipping name:**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**UN number or ID number:**

No dangerous good in sense of this transport regulation.

UN 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.

UN 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

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.



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15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 304 CERCLA:

Thiram (137-26-8): Reportable quantity = 10 (4.54) lbs. (kg)

Ethylene thiourea (96-45-7): Reportable quantity = 10 (4.54) lbs. (kg)

SARA Section 311/312 Hazards:

Lead tetroxide (1314-41-6): Delayed (chronic) health hazard, Immediate (acute) health hazard

Di(benzothiazol-2-yl) disulphide (120-78-5): Immediate (acute) health hazard

Thiram (137-26-8): Immediate (acute) health hazard, Delayed (chronic) health hazard

Ethylene thiourea (96-45-7): Immediate (acute) health hazard

SARA Section 313 Toxic release inventory:

Thiram (137-26-8): De minimis limit = 1.0 %, Reportable threshold = Standard

Ethylene thiourea (96-45-7): De minimis limit = 0.1 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

Ethylene thiourea (96-45-7)

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

WARNING: This product can expose you to chemicals including Carbon black (airborne, unbound particles of respirable size) (cancer); Ethylene thiourea (cancer, developmental), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

16. Other information

Changes

Revision date: 24.06.2025

Revision No: 1,1

This data sheet contains changes from the previous version in section(s): 2,3,10,11.

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

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LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.

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.)