

Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 1 of 10

1. Identification

Product identifier

TIP TOP CEMENT SC-BL-NF

Art.-No.

515 0035, 515 0815, 515 0358, 515 0341, 515 0372, 515 0373, 515 0387, 515 0389, 515 0406, 515 0407, 515 0506, 515 0507, 515 0508, 515 0509

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Adhesive

Details of the supplier of the safety data sheet

Manufacturer

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

Supplier

Company name: REMA TIP TOP / North America Inc.
Street: 1500 Industrial Blvd
Place: Madison, GA 30650, USA
Telephone: +1 800 225 7362,
Internet: www.rematiptop.com

Emergency phone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)
(USA domestic) 1 800 535 5053 or international (001) 352 323 3500

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Respiratory or skin sensitization: Skin Sens. 1
Germ cell mutagenicity: Muta. 2
Carcinogenicity: Carc. 1B
Specific target organ toxicity single exposure: STOT SE 3 (narcotic effects)
Hazardous to the aquatic environment: Aquatic Chronic 3

Label elements

29 CFR Part 1910.1200

Signal word: Danger**Pictograms:**

Hazard statements

Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
May cause drowsiness or dizziness

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 2 of 10

Suspected of causing genetic defects
May cause cancer
Harmful to aquatic life with long lasting effects

Precautionary statements

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing vapour.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of
If exposed or concerned: Get medical advice/attention.
Store locked up.
Avoid release to the environment.

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**

Preparation with trichloroethylene

Hazardous components

CAS No	Components	Quantity
79-01-6	Trichloroethylene	< 95 %
14634-93-6	Zinc-bis (N-ethyl-N-phenyldithiocarbamate)	< 2,5 %

Further Information

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

4. First-aid measures**Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.
In the event of persistent symptoms receive medical treatment.
Take away from danger area and lay down affected person.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.
In the event of symptoms refer for medical treatment.

After contact with skin

Wash off immediately with soap and plenty of water.
Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Seek medical treatment by eye specialist.

After ingestion

Induce vomiting only upon the advice of a physician.
Attention. Beware of aspiration danger.
Summon a doctor immediately.
Immediately give plenty of water, if possible charcoal slurry.

Most important symptoms and effects, both acute and delayed

May cause cancer.



Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 3 of 10

May cause drowsiness or dizziness.
May cause an allergic skin reaction.
Causes serious eye irritation.
Causes skin irritation.
Suspected of causing genetic defects.

Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), dry chemical, water-spray.
Product does not burn, fire-extinguishing activities according to surrounding.

Unsuitable extinguishing media

Full water jet.

Specific hazards arising from the chemical

Fire may produce:
carbon monoxide and carbon dioxide
Chlorine and traces of phosgene.
Hydrogen chloride gas.

Special protective equipment and precautions for fire-fighters

Wear self-contained breathing apparatus and protective suit.

Additional information

Keep away from heat and sources of ignition.
Cool containers at risk with water spray jet.
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.
Get unprotected persons to safety.

For non-emergency personnel

Do not breathe vapours.
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.
Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).
Shovel into suitable container for disposal.



Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 4 of 10

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

Keep container tightly closed.
Vapours are heavier than air and spread along ground.
Ensure adequate room ventilation, if necessary ensure local exhaust at workplace.
Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep containers tightly closed in a cool, well-ventilated place.

Hints on joint storage

Incompatible with:
Oxidizing agents, Aluminium powder, Alkaline metals and earth alkaline metals., Alkaline leaches

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

8. Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Substance	ppm	mg/m ³	f/cc	Category	Origin
9006-04-6	Natural rubber latex as inhalable allergenic protein		0.0001		TWA (8 h)	ACGIH-2023
79-01-6	Trichloroethylene	100	-		TWA (8 h)	PEL
		C 200	-		Ceiling	PEL
79-01-6	Trichloroethylene	300	-		Peak	PEL
		10			TWA (8 h)	ACGIH-2023
		25			STEL (15 min)	ACGIH-2023

Biological Exposure Indices (BEI-ACGIH)

CAS No	Substance	Determinant	Value	Test material	Sampling time
79-01-6	TRICHLOROETHYLENE	Trichloroacetic acid	15 mg/L	urine	End of shift at end of workweek

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.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 5 of 10

Protective and hygiene measures

- Do not inhale vapours.
- Avoid contact with eyes and skin.
- Wash hands before breaks and immediately after handling the product.
- When using do not eat, drink or smoke.
- Take off immediately all contaminated clothing.

Eye/face protection

- Eye wash bottle with pure water.
- Tightly fitting goggles.

Hand protection

- Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0.7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.
- 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 insufficient ventilation wear suitable respiratory equipment (gas filter type A).

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:	Liquid
Color:	Blue
Odor:	Sweetish

Test method

pH-Value: n.d.

Changes in the physical state

Melting point/freezing point: - 86,4 °C *)

Boiling point or initial boiling point and boiling range: 87 °C *)

Sublimation point: n.a.

Softening point: n.d.

Flash point: n.a. **)

Flammability

Solid/liquid: n.a.

Explosive properties

The product is not explosive.

Lower explosion limits: 7,9 vol. % *)

Upper explosion limits: 90 vol. % *)

Auto-ignition temperature: 410 °C *)

Self-ignition temperature

Solid: n.a.

Gas: n.a.

Decomposition temperature: n.d.

Oxidizing properties

Not oxidising.

**Safety Data Sheet**

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 6 of 10

Vapor pressure: (at 20 °C)	77 hPa *)
Density:	1,41 g/cm ³
Bulk density:	n.a.
Water solubility: (at 20 °C)	Immiscible
Solubility in other solvents n.d.	
Partition coefficient n-octanol/water:	n.d.
Viscosity / dynamic:	11000 mPa·s
Viscosity / kinematic:	n.d.
Relative vapour density:	4,54 *)
Evaporation rate:	n.d.
Solvent separation test:	0 %
Solvent content:	90 - 95 %

Other information

*) Trichloroethylene

***) According to PTB instructions, trichloroethylene has no flashpoint; however, vapour and air mixtures are flammable under a stronger energy influx."

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

Reactions with alkali metals.

Reactions with oxidizing agents.

Conditions to avoid

Above 120°C, a thermic decomposition may take place.

Incompatible materials

Oxidizing agents, Aluminium powder, Alkaline metals and earth alkaline metals., Alkaline leaches

Hazardous decomposition products

No hazardous decomposition products known.

Fire may produce:

Chlorine and traces of phosgene.

Hydrogen chloride gas

Carbon monoxide and carbon dioxide

11. Toxicological information**Information on toxicological effects****Acute toxicity**



Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 7 of 10

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

Trichloroethylene

LD50/oral/rat: 5400 mg/kg

LD50/dermal/rabbit: > 2000 mg/kg

LC50/inhalativ/rat: 12500 ppm/4h

ATEmix 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

Causes skin irritation

Causes serious eye irritation

Sensitizing effects

May cause an allergic skin reaction (Trichloroethylene)

Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing genetic defects (Trichloroethylene)

May cause cancer (Trichloroethylene)

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

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (Trichloroethylene)

Specific target organ toxicity (STOT) - repeated exposure

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

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

Carcinogenicity (IARC): Trichloroethylene (CAS 79-01-6) is listed in group 1.

Carcinogenicity (NTP): Trichloroethylene (CAS 79-01-6) is listed in group Known.

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.

Other information

Components of the product may be absorbed into the body through the skin. (skin absorption).

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Effects of breathing high concentrations of vapour may include

Headache, dizziness, weakness, unconsciousness

Hazard of lung oedema.

Skin contact or inhalation of solvents contained in this product may cause irritation of skin, eyes and mucous membranes.

12. Ecological information

Ecotoxicity

Trichloroethylene

LC50/Pimephales promelas/ 96 h = 42,4 mg/l

EC50/Daphnia magna/48 h = 47 mg/l

EC50/Algae/96 h = 420 mg/l

Zinc oxide

EC50/Selenastrum capricornutum/72 h = 0,17 mg/l

Harmful to aquatic life with long lasting effects.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 8 of 10

Persistence and degradability

Trichloroethylene
Biodegradable (OECD): 2,4% (14 d) [OECD 301C]
Not readily biodegradable.

Bioaccumulative potential

Trichloroethylene
Low bio-accumulation can be estimated because of low log Po/w. (Log Pow: 2,53)

Mobility in soil

Trichloroethylene
High mobility in soil.

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

Severe hazard to waters

Further information

Do not flush into surface water or sanitary sewer system.

13. Disposal considerations

Waste treatment methods

Disposal recommendations

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

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information

US DOT 49 CFR 172.101

<u>UN number or ID number:</u>	UN 1710
<u>Proper shipping name:</u>	Trichloroethylene, Solution
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	III
Hazard label:	6.1



Marine transport (IMDG)

<u>UN number:</u>	UN 1710
<u>UN proper shipping name:</u>	TRICHLOROETHYLENE SOLUTION
<u>Transport hazard class(es):</u>	6.1
<u>Packing group:</u>	III
Hazard label:	6.1

Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 9 of 10



Marine pollutant: No
Special Provisions: -
Limited quantity: 5 L / 30 kg
Excepted quantity: E1
EmS: F-A, S-A

Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1710
UN proper shipping name: TRICHLOROETHYLENE SOLUTION
Transport hazard class(es): 6.1
Packing group: III
Hazard label: 6.1



Limited quantity Passenger: 2 L
Passenger LQ: Y642
Excepted quantity: E1
IATA-packing instructions - Passenger: 655
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 663
IATA-max. quantity - Cargo: 220 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Handle in accordance with good industrial hygiene and safety practices.

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

The transport takes place only in approved and appropriate packaging.

15. Regulatory information

U.S. Regulations

National regulatory information

SARA Section 304 CERCLA:
Trichloroethylene (79-01-6): Reportable quantity = 100 (45.4) lbs. (kg)
SARA Section 311/312 Hazards:
Trichloroethylene (79-01-6): Delayed (chronic) health hazard, Immediate (acute) health hazard
Zinc-bis (N-ethyl-N-phenyldithiocarbamate) (14634-93-6): Immediate (acute) health hazard
SARA Section 313 Toxic release inventory:
Trichloroethylene (79-01-6): De minimis limit = 0.1 %, Reportable threshold = Standard
Clean Air Act Section 112(b):
Trichloroethylene (79-01-6)

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 Trichloroethylene (cancer, developmental, reproductive), 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.

Additional information

Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC-BL-NF

Revision date: 04/19/2023

Product code: 00156-0523

Page 10 of 10

Consider Chemical prohibition regulation.

16. Other information

Hazardous Materials Identification System (HMIS)

Health:	*2
Flammability:	0
Physical Hazard:	0

NFPA Hazard Ratings

Health:	2
Flammability:	0
Reactivity:	0
Unique Hazard:	
Revision date:	04/19/2023
Revision No:	1,0



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

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