

Safety Data Sheet

according to 29 CFR 1910.1200(g)

TIP TOP CEMENT SC 2000

Revision date: 09/19/2025

Product code: 00156-0515

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1. Identification

Product identifier

TIP TOP CEMENT SC 2000

Art.-No.

525 1557, 525 2025, 525 2027, 525 2029, 525 2050, 525 2053, 525 2064, 525 2130, 525 2153, 525 2160, 525 2161, 525 2163, 525 2165, 525 2169, 525 2173, 525 2191, 525 2193, 525 2194, 525 2196, 525 2247, 525 2249, 525 4003, 525 4006, 525 4010, 525 4024, 525 4027, 525 4034, 525 4043, 525 4041, 525 4058

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Adhesive

Details of the supplier of the safety data sheet

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
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

Emergency phone number: (USA domestic) 1 800 535 5053 or international (001) 352 323 3500
Infotrac/GBK GmbH-ID: 93591

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

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

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
Suspected of causing genetic defects
May cause cancer
Toxic 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.

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Do not breathe vapour.
Wear protective gloves/protective clothing/eye protection/face protection.
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	> 80 %
1314-13-2	Zinc oxide	< 5 %
8050-09-7	Rosin, colophony	< 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.
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



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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.
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.

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

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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.

Advice on general occupational hygiene

- 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.

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
8050-09-7	Resin acids, as total Resin acids	-	0.001		TWA (8 h)	ACGIH-2024
79-01-6	Trichloroethylene	100	-		TWA (8 h)	REL
		C 200	-		Ceiling	REL
		300	-		5 min	REL
79-01-6	Trichloroethylene				as low as possible	REL
		10	54		TWA (8 h)	ACGIH-2024
		25	135		STEL (15 min)	ACGIH-2024
1314-13-2	Zinc oxide (Dust)	-	5		TWA (8 h)	REL
		-	C 15		Ceiling	REL
1314-13-2	Zinc oxide (respirable fraction)		2		TWA (8 h)	ACGIH-2024
			10		STEL (15 min)	ACGIH-2024
1314-13-2	Zinc oxide Respirable fraction	-	5		TWA (8 h)	REL

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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

Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Tightly fitting goggles.

Eye wash bottle with pure water.

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:	Different
Odor:	Sweetish

Test method**Changes in the physical state**

Melting point/freezing point:	n.d.
Boiling point or initial boiling point and boiling range:	86,7 °C
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	n.a. *)

Flammability

Solid/liquid:	n.a.
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Explosive properties

The product is not explosive.

Lower explosion limits:	8,0 vol. %
Upper explosion limits:	44,8 vol. %
Auto-ignition temperature:	420 °C

Self-ignition temperature

Solid:	n.a.
Gas:	n.a.

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Decomposition temperature:	n.d.
pH-Value:	n.d.
Viscosity / dynamic:	3000 mPa·s
Viscosity / kinematic:	n.d.
Flow time:	n.d.
Water solubility: (at 20 °C)	Immiscible
Solubility in other solvents n.d.	
Partition coefficient n-octanol/water:	n.d.
Vapor pressure: (at 20 °C)	77 hPa
Density:	1,45 g/cm ³
Bulk density:	n.a.
Relative vapour density:	4,54

Other information**Information with regard to physical hazard classes**

Oxidizing properties
Not oxidising.

Other safety characteristics

Solvent separation test:	n.d.
Solvent content:	< 90 %
Evaporation rate:	n.d.

Further Information

"*) 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 earth alkali metals.	
Reactions with oxidizing agents.	

Conditions to avoid

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

Incompatible materials

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

Hazardous decomposition products

No hazardous decomposition products known.
Fire may produce:

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Chlorine and traces of phosgene.
Hydrogen chloride gas
Carbon monoxide and carbon dioxide

11. Toxicological information**Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

Information on toxicological effects**Acute toxicity**

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

Skin corrosion/irritation: Causes skin irritation

Serious eye damage/eye irritation: Causes serious eye irritation

Sensitizing effects

May cause an allergic skin reaction (Trichloroethylene; Rosin, colophony)

Carcinogenic/mutagenic/toxic effects for reproduction

May cause cancer (Trichloroethylene)

Suspected of causing genetic defects (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): Not listed

Carcinogenicity (IARC): 2A

Carcinogenicity (NTP): 2

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.

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12. Ecological information**Ecotoxicity**

Trichloroethylene
LC50/Pimephales promelas/ 96 h = 42,4 mg/l
EC50/Daphnia magna/48 h = 20,8 mg/l
EC50/Algae/96 h = 36,5 mg/l
Zinc oxide
EC50/Selenastrum capricornutum/72 h = 0,17 mg/l

Toxic to aquatic life with long lasting effects.

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**U.S. DOT 49 CFR 172.101**

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

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**Marine transport (IMDG)**

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



Marine pollutant: Yes
Limited quantity: 5 L / 30 kg
Excepted quantity: E1
EmS: F-A, S-A

Air transport (ICAO-TI/IATA-DGR)

UN number or ID 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: Yes

**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 Inventory TSCA**

All of the components are listed on the TSCA inventory.

National regulatory information

SARA Section 304 CERCLA:

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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
 Rosin, colophony (8050-09-7): 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)

SARA

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372. Any such toxic chemical(s) are shown below.

Trichloroethylene (CAS 79-016): < 90 %

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

This product contains max VOC: < 90 %
 Consider Chemical prohibition regulation.

16. Other information**Hazardous Materials Identification System (HMIS)**

Health: *2
 Flammability: 1
 Physical Hazard: 0

NFPA Hazard Ratings

Health: 2
 Flammability: 1
 Reactivity: 0
 Unique Hazard:

**Changes**

Revision date: 19.09.2025
 Revision No: 1,2

This data sheet contains changes from the previous version in section(s): 1,2,4,15.

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

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