



**1. Identification of the substance/preparation and of the company/undertaking**

**Identification of the substance or preparation**

TIP TOP CEMENT SC 4000

**Art.-No.:**

525 2509; 525 2516; 525 2523; 525 2530; 525 2554; 525 2592; 525 2602; 525 2619; 525 2633; 525 2657;  
525 2695; 525 2705; 525 2712; 525 2729;

**Use of the substance/preparation**

Adhesive

**Company/undertaking identification**

REMA TIP TOP GmbH a company of the group Stahlgruber Otto Gruber GmbH & Co KG  
Gruber Straße 63 Gruber Straße 65  
D-85586 Poing D-85586 Poing

Telephone ++49 (0) 8121 / 707 - 0

Inquiry office

Emergency telephone :++49 (0) 6132 / 84463 (GBK Gefahrgut Buero GmbH, Ingelheim)

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

**2. Hazards identification**

**Classification**

Indications of danger : Highly flammable, Irritant, Dangerous for the environment

R-phrases :

Highly flammable.

Irritating to eyes and skin.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Vapours may cause drowsiness and dizziness.

**3. Composition/information on ingredients**

**Chemical characterization ( preparation )**

Preparation in organic solvents

**Hazardous components**

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-500-4	141-78-6	Ethyl acetate	< 40 %	F, Xi R11-36-66-67
203-806-2	110-82-7	Cyclohexane	< 40 %	F, Xn, Xi, N R11-65-38-67-50-53
215-222-5	1314-13-2	zinc oxide	< 5 %	N R50-53

Full text of each relevant R phrase can be found in heading 16.

**4. 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.

Seek medical treatment immediately.



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**After contact with skin**

Wash off 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, danger of aspiration.  
Do not induce vomiting.  
Summon a doctor immediately.

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**5. Fire-fighting measures**

**Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

**Extinguishing media which must not be used for safety reasons**

Full water jet

**Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases**

Fire may produce:  
Carbon monoxide and carbon dioxide.  
Hydrogen chloric gas.

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.  
Protective suit

**Additional information**

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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**6. Accidental release measures**

**Personal precautions**

In case of vapour formation use respirator.  
Use only explosion-proof equipment.  
Ensure adequate ventilation.  
Remove persons to safety.  
Use personal protective clothing.  
Keep away sources of ignition.

**Environmental precautions**

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

**Methods for cleaning up/taking up**

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

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**7. Handling and storage**

**Handling**



**Advice on safe handling**

Keep container tightly closed.  
 Vapours are heavier than air and spread along ground.  
 Keep a good ventilation and air-exhaust at the place of work.  
 Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion**

Do not smoke - volatile.  
 Keep away from heat and sources of ignition.  
 Take precautionary measures against static discharges.  
 Use only explosion-proof equipment.

**Storage**

**Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.  
 Pay attention to anti-explosion rules.

**Advice on storage compatibility**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**Storageclass (VCI)**

3 A

**8. Exposure controls/personal protection**

**Exposure limit values**

**Exposure limits (EH40)**

CAS No.	Substance	ml/m <sup>3</sup>	mg/m <sup>3</sup>	F/ml	Category	Origin
110-82-7	Cyclohexane	100	350		TWA (8 h)	WEL
	Cyclohexane	300	1050		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
	Ethyl acetate	400	-		STEL (15 min)	WEL
1314-13-2	Zinc oxide, fume (OLD)	-	5		TWA (8 h)	OES
	Zinc oxide, fume (OLD)	-	10		STEL (15 min)	OES

**Exposure controls**

**Occupational exposure controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.  
 Wash hands before breaks and immediately after handling the product.  
 When using, do not eat, drink or smoke.  
 Treat subsequently with skin cream.  
 Avoid contact with skin, eyes and clothing.  
 Remove and wash contaminated clothes before re-use.

**Respiratory protection**

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

**Hand protection**



Splash protection:

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) > 30 minutes, i.e. protective glove <Butoject 898> 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.

**Eye protection**

Eye wash bottle with pure water.

Tightly fitting goggles

**Skin protection**

Solvent-resistant apron.

**9. Physical and chemical properties**

**General information**

Physical state	Liquid
Colour	Green, black, white
Odour	Fruity

**Important health, safety and environmental information**

		Test method
<b>Changes in the physical state</b>		
Boiling point	76 °C	approx.
Flash point	- 17 °C	
<b>Flammability</b>		
Lower explosion limits	1,2 vol. %	
Upper explosion limits		
Ignition temperature	> 245 °C	
Vapour pressure :	104 hPa	
at (20 °C)		
Density (at 20 °C) :	0,9 g/cm <sup>3</sup>	
Water solubility :	Immiscible	
at (20 °C)		
Viscosity / dynamic :	2000 mPa·s	
Flow time :	> 30 s	3 DIN/ISO 2431
<b>Solvent content</b>		
< 80 %		

**10. Stability and reactivity**

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
 Vapour/air mixtures are explosive at intensive warming.  
 Heating can release vapours which can be ignited.

**Materials to avoid**

Strong oxidizing agents

**Hazardous decomposition products**

Hydrogen chloride gas, Carbon monoxide and carbon dioxide.



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**Additional information**

No decomposition if stored and applied as directed.

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**11. Toxicological information**

**Empirical data on effects on humans**

Vapours may cause drowsiness and dizziness.

Irritating to eyes and skin.

May cause irritation of the mucous membranes.

Effects of breathing high concentrations of vapour may include.

Headache, dizziness, weakness, unconsciousness.

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**12. Ecological information**

**Further information**

Do not flush into surface water or sanitary sewer system.

Hazard to waters

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**13. Disposal considerations**

**Advice on disposal**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**Waste disposal number of waste from residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other dangerous substances

Classified as hazardous waste.

**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.

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**14. Transport information**

**Land transport (ADR/RID)**

ADR/RID class	3
Classification code :	F1
Hazard-no.	33
UN number	1133
Hazard label	3
ADR/RID packing group	II
Limited quantity	LQ 6

**Description of the goods**

Adhesives



**Remarks (land transport)**

LQ 6: combination packaging: 5 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

**Inland waterways transport**

**Marine transport**

IMDG code	3
UN number	1133
Marine pollutant	No
EmS	F-E; S-D
IMDG packing group	II
Limited quantity :	5 L / 30 kg
Hazard label	3

**Description of the goods**

ADHESIVES

**Remarks (marine transport)**

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

**Air transport**

ICAO/IATA-DGR	3
UN/ID number	1133
Hazard label	3
IATA-packing instructions - Passenger	305
IATA-max. quantity - Passenger	5 L
IATA-packing instructions - Cargo	307
IATA-max. quantity - Cargo	60 L
ICAO packing group	II
Limited quantity Passenger	Y305 / 1 L

**Description of the goods**

ADHESIVES

**15. Regulatory information**

**Labelling**

Indication of danger F - Highly flammable; Xi - Irritant; N - Dangerous for the environment

Additional advice on labelling According to EC-regulations the product is to be labelled as follows:

**R phrases**

- 11 Highly flammable.
- 36/38 Irritating to eyes and skin.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 67 Vapours may cause drowsiness and dizziness.

**S phrases**

- 16 Keep away from sources of ignition - No smoking.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 33 Take precautionary measures against static discharges.
- 60 This material and its container must be disposed of as hazardous waste.
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.
- 09 Keep container in a well-ventilated place.

**National regulatory information**

**Safety Data Sheet according to Regulation (EU) No. 1907/2006**

REMA TIP TOP GmbH

Revision date : 20.11.2007

Revision no. : 1,03

**TIP TOP CEMENT SC 4000**

00156-0119



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Employment restrictions	Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.
Water contaminating class 1999/13/EC (VOC)	2 - water contaminating 75 - 80 %

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**16. Other information**

**Full text of R-phrases referred to under sections 2 and 3**

- 11 Highly flammable.
- 36 Irritating to eyes.
- 36/38 Irritating to eyes and skin.
- 38 Irritating to skin.
- 50 Very toxic to aquatic organisms.
- 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

**Other data**

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.

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.)*