

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 1 of 9

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

TIP TOP CAMPLAST CEMENT

###### Art.-No.

552 2208, 552 2209, 552 2215, 552 2246, 552 3001, 552 3128, 552 3190, 552 3197, 552 3198, 552 3199, 552 3207, 552 3208, 552 4000, 552 4196, 552 4200, 552 4206, 5096

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

###### Use of the substance/mixture

adhesive

##### 1.3. Details of the supplier of the safety data sheet

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

**1.4. Emergency telephone number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

Hazard categories:  
Flammable liquid: Flam. Liq. 2  
Serious eye damage/eye irritation: Eye Irrit. 2  
Specific target organ toxicity - single exposure: STOT SE 3  
Hazard Statements:  
Highly flammable liquid and vapour.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

Butanone

**Signal word:** Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Precautionary statements**

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 Keep container tightly closed.





## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 2 of 9

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container to in accordance with local and national regulations.

#### Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

#### 2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.  
Vapours may form explosive mixture with air.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Preparation in butanone

##### Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
78-93-3	Butanone			< 90 %
	201-159-0	606-002-00-3	01-2119457290-43	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			

Full text of H and EUH statements: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.

##### After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
Refer for medical treatment.

##### 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.  
Immediately give plenty of water (if possible charcoal slurry).  
Summon a doctor immediately.

#### 4.2. Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.  
May cause drowsiness or dizziness.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 3 of 9

Repeated exposure may cause skin dryness or cracking.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptoms.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

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

##### **Unsuitable extinguishing media**

Full water jet.

#### **5.2. Special hazards arising from the substance or mixture**

Fire may produce:

carbon monoxide and carbon dioxide

#### **5.3. Advice for firefighters**

Use breathing apparatus with independent air supply.

Protective suit.

#### **Additional information**

Vapours are heavier than air and spread along ground.

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.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

#### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

#### **6.3. Methods and material for containment and cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

#### **6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

Keep container tightly closed.

When using do not eat, drink or smoke.

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing.

##### **Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 4 of 9

Use only explosion-proof equipment.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.

##### Advice on storage compatibility

Incompatible with oxidizing agents.

##### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

#### 7.3. Specific end use(s)

adhesive

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
78-93-3	Butan-2-one (methyl ethyl ketone)	200	600		TWA (8 h)	WEL
		300	899		STEL (15 min)	WEL

##### Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
78-93-3	Butan-2-one	butan-2-one	70 µmol/L	urine	Post shift

#### 8.2. Exposure controls

##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Protective and hygiene measures

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Remove and wash contaminated clothes before re-use.

##### Eye/face protection

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

##### Hand protection

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0.7 mm, permeation resistance (wear duration) > 240 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. 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.

##### Skin protection

Long sleeved clothing (EN 368).

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 5 of 9

#### SECTION 9: Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Like ketone

##### Test method

##### Changes in the physical state

Initial boiling point and boiling range:	approx. 80 °C
Flash point:	- 7 °C DIN EN ISO 3679
Lower explosion limits:	1,8 vol. %
Upper explosion limits:	11,5 vol. %
Ignition temperature:	505 °C
Vapour pressure: (at 20 °C)	105 hPa
Density (at 20 °C):	0,86 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	350 g/L
Solvent content:	< 90 %

##### 9.2. Other information

No data available.

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

No decomposition if stored and applied as directed.

##### 10.2. Chemical stability

Stable under normal conditions.

##### 10.3. Possibility of hazardous reactions

Reactions with oxidizing agents.

##### 10.4. Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.  
Heating can release vapours which can be ignited.

##### 10.5. Incompatible materials

oxidizing agents

##### 10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

##### Acute toxicity

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

No toxicological data available.

Butanone

LD50/oral/rat: 3300 mg/kg

LD50/dermal/rabbit: 6400 - 8000 mg/kg



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 6 of 9

#### Irritation and corrosivity

Causes serious eye irritation.  
Skin corrosion/irritation: Based on available data, the classification criteria are not met.  
Skin irritation: Not classified.

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

#### STOT-single exposure

May cause drowsiness or dizziness. (Butanone)

#### STOT-repeated exposure

Repeated exposure may cause skin dryness or cracking.

#### 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.

#### Practical experience

#### Other observations

Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation.  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecological data are not available.  
Butanone  
LC50/Pimephales promelas/96 h = 3220 mg/l  
EC50/Daphnia magna/48 h = 5091 mg/l

### 12.2. Persistence and degradability

No data available.  
Butanone  
Readily biodegradable (to OECD criteria).

### 12.3. Bioaccumulative potential

No data available.

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

Low hazard to waters.

#### Further information

Ecological injuries are not known or expected under normal use.  
Do not flush into surface water or sanitary sewer system.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 7 of 9

#### Advice on disposal

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.  
Where possible recycling is preferred to disposal.

#### 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 hazardous substances; 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.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

#### Other applicable information (land transport)

HAZCHEM: 3YE

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 1133



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 8 of 9

**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Marine pollutant: No  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2  
EmS: F-E, S-D

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

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Limited quantity Passenger: 1 L  
Passenger LQ: Y341  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 353  
IATA-max. quantity - Passenger: 5 L  
IATA-packing instructions - Cargo: 364  
IATA-max. quantity - Cargo: 60 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU regulatory information

2004/42/EC (VOC): &lt; 90 %

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.





## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### TIP TOP CAMPLAST CEMENT

Revision date: 14.12.2017

Product code: 00156-0045

Page 9 of 9

#### SECTION 16: Other information

##### Changes

Changes in chapter: 9

##### 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

##### Relevant H and EUH statements (number and full text)

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
EUH066 Repeated exposure may cause skin dryness or cracking.

##### Further Information

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)

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

