

# Safety Data Sheet

according to WHMIS

## TIP TOP PRIMER PR 200

Revision date: 11.02.2022

Product code: 00156-0030

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### 1. Identification

#### Product identifier

TIP TOP PRIMER PR 200

#### **Art.-No.**

525 2406, 525 2451, 525 2743, 525 2744, 529 8109

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

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

Primer Coat

#### 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

**Emergency telephone number:** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

### 2. Hazard identification

#### Classification of the substance or mixture

##### **WHMIS 2015**

Flammable liquid: Flam. Liq. 2

Acute toxicity: Acute Tox. 4 (inhalation)

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. 2

Reproductive toxicity: Repr. 2

Specific target organ toxicity - single exposure: STOT SE 3 (narcotic effects)

Specific target organ toxicity - single exposure: STOT SE 3 (respiratory tract irritation)

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 3

#### Label elements

##### **WHMIS 2015**

**Signal word:** Danger**Pictograms:**

#### **Hazard statements**

Highly flammable liquid and vapour.

Harmful if inhaled.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

Suspected of causing genetic defects.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause respiratory irritation.



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May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.  
Harmful to aquatic life with long lasting effects.

### Precautionary statements

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Take action to prevent static discharges.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF exposed or concerned: Get medical advice/attention.  
Store in a well-ventilated place. Keep cool.

### 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.

## 3. Composition/information on ingredients

### Mixtures

#### Chemical characterization

Preparation with polymers in xylene and 4-methylpentan-2-one

#### Hazardous components

CAS No	Chemical name	Quantity
108-10-1	4-Methylpentan-2-one	< 75 %
	Reaction mass of ethylbenzene and xylene	< 10 %
9003-35-4	Phenol formaldehyde resin	< 5 %
108-95-2	Phenol	< 3 %
1314-13-2	Zinc oxide	< 2,5 %
108-88-3	Toluene	< 2 %

## 4. First-aid measures

### Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.  
Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.  
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.

#### After contact with skin

Wash off with soap and plenty of water.  
Possible risk of resorption through skin.  
If a person feels unwell or symptoms of skin irritation appear, consult a physician.

#### After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical treatment by eye specialist.

#### After ingestion

Do not induce vomiting.



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Rinse mouth.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

### **Most important symptoms and effects, whether acute or delayed**

Harmful if inhaled.  
Causes skin irritation.  
May cause an allergic skin reaction.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Suspected of causing genetic defects.  
Suspected of causing cancer.  
Suspected of damaging the unborn child.

### **Indication of immediate medical attention and special treatment needed**

Treat symptoms.

## 5. Fire-fighting measures

### **Extinguishing media**

#### **Suitable extinguishing media**

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

#### **Unsuitable extinguishing media**

Full water jet.

### **Specific hazards arising from the hazardous product**

Fire may produce:  
carbon monoxide and carbon dioxide  
Hydrogen chloride (HCl)

### **Special protective equipment and precautions for fire-fighters**

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.

## 6. Accidental release measures

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

#### **General advice**

Ensure adequate ventilation.  
Remove 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.  
Use only explosion-proof equipment.

### **Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.  
Clean contaminated surface thoroughly.



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### 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

#### Advice on safe handling

Do not wear contact lenses when handling the product.

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

Keep away from heat and sources of ignition.

Do not smoke.

Take precautionary measures against static discharges.

Use only explosion-proof equipment.

### 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.

Pay attention to anti-explosion rules.

#### Hints on joint storage

Incompatible with oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/Personal protection

### Control parameters

#### Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m <sup>3</sup>	F/ml	Category	Origin
100-41-4	Ethyl benzene	20			TWA (8 h)	ACGIH-2021
108-95-2	Phenol	5			TWA (8 h)	ACGIH-2021
108-88-3	Toluene	20	-		TWA (8 h)	ACGIH-2021
-	Wood dusts (inhalable fraction): All other species/All other wood dusts		1		TWA (8 h)	ACGIH-2021
1330-20-7	Xylene: mixed isomers	100			TWA (8 h)	ACGIH-2021
		150			STEL (15 min)	ACGIH-2021
1314-13-2	Zinc oxide (respirable fraction)		2		TWA (8 h)	ACGIH-2021
			10		STEL (15 min)	ACGIH-2021

### Exposure controls



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### Appropriate engineering 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.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

### Eye/face protection

Tightly fitting goggles.

Eye wash bottle with pure water.

### Hand protection

Splash protection:

Protective gloves resistant to chemicals made of 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.

### Skin protection

Solvent-resistant apron.

### 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
Colour:	Grey
Odour:	Aromatic

pH-Value:	n. d.
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### Changes in the physical state

Melting point/freezing point:	n. d.
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Boiling point or initial boiling point and boiling range:	approx. 117 °C
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Sublimation point:	n.a.
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Softening point:	n. d.
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Pour point:	n. d.
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Flash point:	17 °C
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Sustaining combustion:	Sustaining combustion
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### Flammability

Solid/liquid:	n.a.
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Gas:	n.a.
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### Explosive properties

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated

Lower explosive limits:	1,4 vol. % (*)
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Upper explosive limits:	7,5 vol. % (*)
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Auto-ignition temperature:	n. d.
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### Test method



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**Self-ignition temperature**

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

Decomposition temperature: n. d.

**Oxidizing properties**

Not oxidising.

Vapour pressure: 7 - 9 hPa  
(at 20 °C)Density (at 20 °C): 0,93 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Immiscible  
(at 20 °C)**Solubility in other solvents**

n. d.

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

Viscosity / dynamic: 500 mPa·s

Viscosity / kinematic: > 20,5 mm<sup>2</sup>/s  
(at 40 °C)

Flow time: n. d.

Relative vapour density: n. d.

Evaporation rate: n. d.

Solvent separation test: n. d.

Solvent content: &lt; 90 %

**Other information**

(\*) 4-Methylpentan-2-one

## 10. Stability and reactivity

**Reactivity**

No decomposition if stored and applied as directed.

**Chemical stability**

Stable under normal conditions.

**Possibility of hazardous reactions**

Reactions with oxidizing agents.

**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.

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

No hazardous decomposition products known.  
Fire may produce:  
Carbon monoxide and carbon dioxide  
Hydrogen chloride (HCl)

## 11. Toxicological information

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#### Information on toxicological effects

##### **Acute toxicity**

Harmful if inhaled.  
No toxicological data available.

##### **ATEmix calculated**

ATE (oral) 1623,0 mg/kg; ATE (inhalation vapour) 12,07 mg/l; ATE (inhalation dust/mist) 1,684 mg/l

##### **Irritation and corrosivity**

Causes skin irritation.  
Causes serious eye irritation.

##### **Sensitizing effects**

May cause an allergic skin reaction. (Phenol formaldehyde resin)

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

Suspected of causing genetic defects. (Phenol)  
Suspected of causing cancer. (4-Methylpentan-2-one)  
Suspected of damaging fertility or the unborn child. (Toluene)

##### **STOT-single exposure**

May cause respiratory irritation. (4-Methylpentan-2-one)  
May cause drowsiness or dizziness. (4-Methylpentan-2-one)

##### **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure. (Phenol; Toluene)

##### **Aspiration hazard**

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

##### **Practical experience**

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

#### Information on other hazards

##### **Endocrine disrupting properties**

No data available

##### **Other information**

Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.  
Repeated exposure may cause skin dryness or cracking.  
Possible risk of resorption through skin.  
Inhalation of high vapour concentration may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.  
Inhalation of vapours is irritating to the respiratory system, may cause throat pain and cough.  
May cause irritation of the mucous membranes.

## 12. Ecological information

#### Ecotoxicity

Ecological data are not available.  
Harmful to aquatic life with long lasting effects.  
Zinc oxide  
EC50/Selenastrum capricornutum/72 h = 0,17 mg/l  
4-Methylpentan-2-one  
LC50/Pimephales promelas/96 h = 505 - 540 mg/l  
EC50/Daphnia magna/48 h = 170 mg/l  
EC50/Selenastrum capricornutum/72 h = 170 mg/l  
Toluene  
LC50/Carassius Auratus/96 h = 13 mg/l  
EC50/algae/72 h = 12,5 mg/l [OECD 201]  
Phenol  
ErC50/algae/72 h = 229 mg/l

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Ethyl benzene  
ErC50/algae/96 h = 3,6 mg/l

### 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

Hazardous water pollutant.

### 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**

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.  
Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. Transport information

### Canadian TDG

**UN number or ID number:** UN 1263  
**Proper shipping name:** Paint  
**Hazard classes:** 3  
**Packing group:** II  
Hazard label: 3  
Limited quantity: 5L



### Marine transport (IMDG)

**UN number:** UN 1263  
**United Nations proper shipping name:** Paint  
**Transport hazard class(es):** 3  
**Packing group:** II  
Hazard label: 3

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

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

**UN number:** UN 1263  
**United Nations proper shipping name:** Paint  
**Transport hazard class(es):** 3  
**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

### Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

## 15. Regulatory information

### Canadian regulations

#### DSL/NDSL inventory status

All components are listed on the DSL Inventory.

#### National Pollutant Release Inventory (NPRI)

4-Methylpentan-2-one, Xylene, Ethyl benzene, Phenol, Toluene, Zinc oxide

## 16. Other information

### Changes

This data sheet contains changes from the previous version in section(s): 2,4,11,12,14,15.

### 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

#### Further Information

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release 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.)*