

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## TIP TOP PRIMER PR 200

Revision date: 02/11/2022

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

#### Recommended use of the chemical and restrictions on use

##### **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 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**

Flammable liquids: 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 or prolonged exposure: STOT RE 2

Hazardous to the aquatic environment: Aquatic Chronic 3

#### Label elements

##### **29 CFR Part 1910.1200**

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

#### **Hazard statements**

Highly flammable liquid and vapor

Harmful in contact with skin

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



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May cause respiratory irritation  
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/sparks/open flames/hot surfaces. - No smoking.  
Take precautionary measures against static discharge.  
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.

#### 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.  
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	Components	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 %
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.  
Rinse mouth.



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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, both acute and 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 any 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 chemical**

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

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**Exposure limits**

CAS No.	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
100-41-4	Ethyl benzene	100	435		TWA (8 h)	REL
		125	545		STEL (15 min)	REL
100-41-4	Ethyl benzene	20			TWA (8 h)	ACGIH-2021
108-10-1	Hexone (Methyl isobutyl ketone)	100	410		TWA (8 h)	REL
108-10-1	Hexone	50	205		TWA (8 h)	REL
		75	300		STEL (15 min)	REL
108-95-2	Phenol	5	19		TWA (8 h)	REL
		5	19		TWA (8 h)	REL
		C 15.6	C 60		Ceiling	REL
108-95-2	Phenol	5			TWA (8 h)	ACGIH-2021
108-88-3	Toluene	200	-		TWA (8 h)	REL
		C 300	-		Ceiling	REL
108-88-3	Toluene	500	-		Peak	REL
		100	375		TWA (8 h)	REL
		150	560		STEL (15 min)	REL
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
1330-20-7	Xylenes (o-,m-,p-isomers)	100	435		TWA (8 h)	REL
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-2021
			10		STEL (15 min)	ACGIH-2021
1314-13-2	Zinc oxide Respirable fraction	-	5		TWA (8 h)	REL

**Biological Exposure Indices (BEI-ACGIH)**

CAS No.	Substance	Determinant	Value	Test material	Sampling time
108-10-1	METHYL ISOBUTYL KETONE	Methyl isobutyl ketone	1 mg/L	urine	End of shift
108-95-2	PHENOL	Phenol (with hydrolysis, creatinine)	250 mg/g	urine	End of shift
108-88-3	TOLUENE	Toluene	0.02 mg/L	blood	Prior to last shift of workweek

**Exposure controls****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.



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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  
Color: Grey  
Odor: Aromatic

#### Test method

pH-Value: n.d.

#### Changes in the physical state

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

#### Flammability

Solid/liquid: n.a.  
Gas: n.a.

#### Explosive properties

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

Lower explosion limits: 1,4 vol. % (\*)  
Upper explosion limits: 7,5 vol. % (\*)  
Auto-ignition temperature: n.d.

#### Self-ignition temperature

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

Decomposition temperature: n.d.



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#### Oxidizing properties

Not oxidising.

Vapor 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

#### Information on toxicological effects

##### Acute toxicity

Harmful if inhaled

No toxicological data available.

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**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)

**Specific target organ toxicity (STOT) - single exposure**

May cause respiratory irritation (4-Methylpentan-2-one)

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

**Specific target organ toxicity (STOT) - repeated exposure**

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

Carcinogenicity (IARC): Methyl isobutyl ketone (CAS 108-10-1) is listed in group 2B. Phenol (CAS 108-95-2) is listed in group 3. Toluene (CAS 108-88-3) is listed in group 3.

**Aspiration hazard**

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

**Practical experience**

This product is classified in accordance with the GHS regulations.

**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

Ethyl benzene

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

**Persistence and degradability**

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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

#### **US DOT 49 CFR 172.101**

<b><u>UN number or ID number:</u></b>	UN 1263
<b><u>Proper shipping name:</u></b>	PAINT
<b><u>Transport hazard class(es):</u></b>	3
<b><u>Packing group:</u></b>	II
Hazard label:	3



#### **Marine transport (IMDG)**

<b><u>UN number:</u></b>	UN 1263
<b><u>UN proper shipping name:</u></b>	Paint
<b><u>Transport hazard class(es):</u></b>	3
<b><u>Packing group:</u></b>	II
Hazard label:	3
Marine pollutant:	No
Limited quantity:	5 L / 30 kg
Excepted quantity:	E2
EmS:	F-E, S-E



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

<b>UN number:</b>	UN 1263
<b>UN proper shipping name:</b>	Paint
<b>Transport hazard class(es):</b>	3
<b>Packing group:</b>	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

**Special precautions for user**

Handle in accordance with good industrial hygiene and safety practice.

**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 302 Extremely hazardous substances:

Phenol (108-95-2): Reportable quantity = 1,000 lbs., Threshold planning quantity = 500/10,000 lbs.

SARA Section 304 CERCLA:

Methyl isobutyl ketone (108-10-1): Reportable quantity = 5,000 (2270) lbs. (kg)

Xylene (mixed isomers) (1330-20-7): Reportable quantity = 100 (45.4) lbs. (kg)

Phenol (108-95-2): Reportable quantity = 1,000 (454) lbs. (kg)

Toluene (108-88-3): Reportable quantity = 1,000 (454) lbs. (kg)

Ethylbenzene (100-41-4): Reportable quantity = 1,000 (454) lbs. (kg)

SARA Section 311/312 Hazards:

Methyl isobutyl ketone (108-10-1): Fire hazard, Delayed (chronic) health hazard, Immediate (acute) health hazard

Xylene (mixed isomers) (-): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

Phenol formaldehyde resin (9003-35-4): Immediate (acute) health hazard

Phenol (108-95-2): Immediate (acute) health hazard, Delayed (chronic) health hazard

Toluene (108-88-3): Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard

SARA Section 313 Toxic release inventory:

Methyl isobutyl ketone (108-10-1): De minimis limit = 1.0 %, Reportable threshold = Standard

Xylene (mixed isomers) (1330-20-7): De minimis limit = 1.0 %, Reportable threshold = Standard

Phenol (108-95-2): De minimis limit = 1.0 %, Reportable threshold = Standard

Toluene (108-88-3): De minimis limit = 1.0 %, Reportable threshold = Standard

Ethylbenzene (100-41-4): De minimis limit = 0.1 %, Reportable threshold = Standard

Clean Air Act Section 112(b):

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Methyl isobutyl ketone (108-10-1), Xylene (mixed isomers) (1330-20-7), Phenol (108-95-2), Toluene (108-88-3), Ethylbenzene (100-41-4)

#### 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 Methyl isobutyl ketone (MIBK) (cancer, developmental); Toluene (developmental); Formaldehyde (gas) (cancer), 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](http://www.P65Warnings.ca.gov).

#### 16. Other information

##### Hazardous Materials Information Label (HMIS)

Health: \*1  
Flammability: 3  
Physical Hazard: 0

##### NFPA Hazard Ratings

Health: 1  
Flammability: 3  
Reactivity: 0  
Unique Hazard:



##### Changes

Revision date: 02/11/2022  
Revision No: 2,5

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

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

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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.)*