

# Safety Data Sheet

according to WHMIS

## TIP TOP PRIMER PR 500-1

Revision date: 29.11.2024

Product code: 00156-0131

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### 1. Identification

#### Product identifier

TIP TOP PRIMER PR 500-1

#### Art.-No.

525 2303, 525 2327, 525 2334, 525 2470, 525 2477

#### 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

##### Manufacturer

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

##### Supplier

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

#### Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
(001) 352 323 3500 Infotrac/GBK GmbH-ID: 93591

### 2. Hazard identification

#### Classification of the substance or mixture

##### WHMIS 2015

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) (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.

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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 the unborn child.  
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, 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.

#### Special labelling of certain mixtures

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### 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	60 - 65 %
	Reaction mass of ethylbenzene and xylene	10 - 15 %
13463-67-7	titanium dioxide	5 - 10 %
9003-35-4	phenol resin	1 - 5 %
108-95-2	Phenol	1 - 5 %
108-88-3	Toluene	0,1 - 0,95 %

#### Further Information

Note: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10$   $\mu\text{m}$ .

### 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.  
Take away from danger area and lay down affected person.



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**After inhalation**

Move to fresh air in case of accidental inhalation of vapours or decomposition products.  
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.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
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.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Causes skin irritation.  
Causes serious eye irritation.  
Suspected of causing genetic defects.  
Suspected of causing cancer.  
May cause an allergic skin reaction.  
May cause damage to organs through prolonged or repeated exposure.  
Suspected of damaging the unborn child.

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

Treat symptoms.  
Attention. Beware, danger of aspiration.

## 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

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

Wear self-contained breathing apparatus and 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**



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#### General advice

- Ensure adequate ventilation.
- Keep away sources of ignition.
- Keep away noninvolved persons.

#### For non-emergency personnel

- Avoid contact with skin, eyes and clothing.
- Do not breathe vapours.

#### 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.
- 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.
- Clean contaminated surface thoroughly.

##### Other information

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

#### 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.

##### 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.

##### Advice on general occupational hygiene

- 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.

#### 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.

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#### Hints on joint storage

Incompatible with:  
strong oxidizing agents, strong acids and strong bases

#### 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-2024
108-95-2	Phenol	5	19		TWA (8 h)	ACGIH-2024
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2024
13463-67-7	Titanium dioxide: Nanoscale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2024
108-88-3	Toluene	20	-		TWA (8 h)	ACGIH-2024
-	Wood dusts (inhalable fraction): All other species/All other wood dusts		1		TWA (8 h)	ACGIH-2024
1330-20-7	Xylene: mixed isomers	20			TWA (8 h)	ACGIH-2024
1314-13-2	Zinc oxide (respirable fraction)		2		TWA (8 h)	ACGIH-2024
			10		STEL (15 min)	ACGIH-2024

### Biological limit values

CAS No	Chemical name	Parameter	Value	Test material	Sampling time
108-10-1	METHYL ISOBUTYL KETONE (ACGIH 2024)	Methyl isobutyl ketone	1 mg/L	urine	End of shift
108-95-2	PHENOL (ACGIH 2024)	Phenol (with hydrolysis, creatinine)	250 mg/g	urine	End of shift
108-88-3	TOLUENE (ACGIH 2024)	Toluene	0.02 mg/L	blood	Prior to last shift 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 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.

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**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:	Sweetish

**Changes in the physical state**

Melting point/freezing point:	n. d.
Boiling point or initial boiling point and boiling range:	116 °C
Sublimation point:	n.a.
Softening point:	n. d.
Flash point:	17 °C

**Flammability**

Solid/liquid:	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:	n. d.
Upper explosive limits:	n. d.
Auto-ignition temperature:	n. d.

**Self-ignition temperature**

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

Decomposition temperature:	n. d.
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pH-Value:	n. d.
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Viscosity / dynamic:	n. d.
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Viscosity / kinematic: (at 25 °C)	> 128 mm <sup>2</sup> /s
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Flow time:	n. d.
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Water solubility:	Slightly miscible
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**Solubility in other solvents**

n. d.

Partition coefficient n-octanol/water:	n. d.
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Vapour pressure: (at 20 °C)	n. d.
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Density (at 20 °C):	0,94 - 0,98 g/cm <sup>3</sup>
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Bulk density:	n.a.
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**Other information****Information with regard to physical hazard classes**

Sustaining combustion:	Sustaining combustion
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Oxidizing properties  
Not oxidising.**Other safety characteristics**

Solvent content:	73 %
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#### Further Information

No data available.

## 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 acids, alkalies and oxidising 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  
Strong acids and strong bases

#### Hazardous decomposition products

No known hazardous decomposition products.  
Fire may produce:  
Carbon monoxide and carbon dioxide

## 11. Toxicological information

#### Information on toxicological effects

##### **Acute toxicity**

Harmful if inhaled.  
No toxicological data available.  
ATEmix/oral: ~ 61500 mg/kg  
ATEmix/dermal: ~ 8200 mg/kg  
ATEmix/inhalation: ~ 14 mg/l (vapour)

##### **ATEmix calculated**

ATE (oral) 1482 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) 8,470 mg/l; ATE (inhalation dust/mist) 1,175 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. (phenol resin)

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

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

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

May cause respiratory irritation. (4-Methylpentan-2-one; Reaction mass of ethylbenzene and xylene)  
May cause drowsiness or dizziness. (4-Methylpentan-2-one)

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

May cause damage to organs through prolonged or repeated exposure. (Reaction mass of ethylbenzene and xylene; Xylene (mixed isomers); Phenol)



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#### Aspiration hazard

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

#### Information on likely routes of exposure

Skin and eye contact, inhalation and ingestion.

#### Additional information on tests

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 high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Components of the product may be absorbed into the body through the skin.

## 12. Ecological information

#### Ecotoxicity

Ecological data are not available.

Harmful to aquatic life with long lasting effects.

#### 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:

UN 1133

##### Proper shipping name:

Adhesives

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**Hazard classes:** 3  
**Packing group:** II  
Hazard label: 3  
Limited quantity: 5L



#### Marine transport (IMDG)

**UN number or ID number:** UN 1133  
**United Nations proper shipping name:** Adhesives  
**Transport hazard class(es):** 3  
**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)

**UN number or ID number:** UN 1133  
**United Nations proper shipping name:** Adhesives  
**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)

Methyl isobutyl ketone (108-10-1)  
Xylene (mixed isomers) (1330-20-7)  
Ethylbenzene (100-41-4)



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Phenol (108-95-2)  
Toluene (108-88-3)

#### WHMIS classification

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

### 16. Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,4,8,9,12.

#### 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

#### 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)

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