

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

Issue date:08/05/2019 Revision date:01/09/2020 Supersedes:08/05/2019 Version: 2.4

SDS No: 00156-0211



### SECTION 1: Identification : Product identifier and chemical identity

#### 1.1. Product identifier

Product form : Mixture  
Product name : TIP TOP PRIMER PR 304  
Product code : 525 4112, 525 4150

#### 1.2. Other means of identification

No additional information available

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

Recommended use : Adhesives  
Industrial use

#### 1.4. Supplier's details

##### Supplier

REMA TIP TOP AG  
65 Gruber Strasse  
85586 Poing - Germany  
T +49 (0) 8121 / 707 - 100

##### Importer

REMA TIP TOP Australia Pty Ltd.  
3 - 7 Ironbark Close  
Warabrook NSW 2304 - Australia  
T +61-2-4935-0200  
[www.rema-tiptop.com.au](http://www.rema-tiptop.com.au)

E-mail address of competent person responsible for the SDS: [sds@gbk-ingelheim.de](mailto:sds@gbk-ingelheim.de)

#### 1.5. Emergency phone number

Emergency number : +61-280735031, Infotrac/GBK GmbH-ID: 93591

### SECTION 2: Hazards identification

#### 2.1. Classification of the hazardous chemical

##### Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 2	H225
Acute toxicity (dermal), Category 4	H312
Acute toxicity (inhalation:dust,mist) Category 4	H332
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity — Repeated exposure, Category 2	H373
Hazardous to the aquatic environment — Chronic Hazard, Category 3	H412

#### 2.2. Label elements

Hazard pictograms (GHS AU) :



Flame

Exclamation mark

Health hazard

Signal word (GHS AU) : Danger

Contains : Reaction mass of ethylbenzene and xylene ( $\geq 35 - < 40\%$ ); Butanone ( $< 30\%$ ); Other substances (not contributing to the classification of this product) ( $30 - 40\%$ ); Toluene ( $< 1\%$ )

Hazard statements (GHS AU) : H225 - Highly flammable liquid and vapour  
H312+H332 - Harmful in contact with skin or if inhaled  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H336 - May cause drowsiness or dizziness  
H373 - May cause damage to organs through prolonged or repeated exposure.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS AU) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P240 - Ground/bond container and receiving equipment

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P260 - Do not breathe vapours.  
P264 - Wash hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P273 - Avoid release to the environment  
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/shower.  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 - Call a POISON CENTER/doctor if you feel unwell.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362 - Take off contaminated clothing.  
P363 - Wash contaminated clothing before reuse  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to an approved waste disposal plant.

Additional hazard statements (GHS AU) : Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 2.3. Other hazards

Other hazards not contributing to the classification : Vapours may form explosive mixture with air.

## SECTION 3: Composition/information on ingredients

Comments : Preparation in organic solvents.

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Reaction mass of ethylbenzene and xylene		≥ 35 – < 40	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
Butanone	78-93-3	< 30	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Zinc oxide	1314-13-2	< 2,5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Titanium dioxide	13463-67-7	≥ 1 – < 3	Carc. 2, H351
Other substances (not contributing to the classification of this product)		30 - 40	Not classified
Toluene	108-88-3	< 1	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Repr. 2, H361 STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304
Trizinc bis(orthophosphate)	7779-90-0	< 1	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Comments : Note 10: 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 < = 10 µm.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Take off immediately all contaminated clothing. Move the affected person away from the contaminated area. In the event of persistent symptoms receive medical treatment.

First-aid measures after inhalation : Move to fresh air in case of accidental inhalation of vapours or decomposition products. In the event of symptoms refer for medical treatment.

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



First-aid measures after skin contact	: Wash off immediately with soap and plenty of water. Get medical advice if skin irritation persists.
First-aid measures after eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult an eye specialist.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth out with water. Drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician immediately. Do not induce vomiting without medical advice.

### 4.2. Symptoms caused by exposure

Symptoms/effects	: May be harmful in contact with skin. Harmful if inhaled. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure.
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: May cause skin irritation.
Symptoms/effects after eye contact	: Causes serious eye irritation.

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

Treatment	: Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: high volume water jet.

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

General measures	: In case of vapour formation use adequate respirator. Explosion free apparatus have to be used. Ensure adequate air ventilation. Use personal protective clothing.
Hazardous decomposition products in case of fire	: Fire may produce: Chlorine compounds. Carbon monoxide. Carbon dioxide.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: * 3YE
Other information	: Vapours are heavier than air and may spread along floors. The vapour/air mixture is explosive, even in empty, uncleaned receptacles. Cool containers / tanks with spray water if possible. 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

General measures	: In case of vapour formation use adequate respirator. Explosion free apparatus have to be used. Ensure adequate air ventilation. Use personal protective clothing.
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#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapours. Avoid contact with skin, eyes and clothing.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

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

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

Methods for cleaning up	: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Shovel or sweep up and put in a closed container for disposal. Clean contaminated surface thoroughly.
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## SECTION 7: Handling and storage, including how the chemical may be safely used

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Ensure good ventilation of the work station. Avoid contact with skin, eyes and clothing. Take precautionary measures against static discharge. Pay attention to explosion protection guidelines. Keep away from heat and sources of ignition. Do not smoke.
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# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



Hygiene measures : Do not inhale vapour. Avoid contact with skin, eyes and clothing. Always wash hands after handling the product. Apply emollient cream. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.

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

Technical measures : Pay attention to explosion protection guidelines. Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Incompatible materials : oxidizing materials.

Information on mixed storage : Keep away from food, drink and animal feeding stuffs.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters - exposure standards

Butanone (78-93-3)	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Methyl ethyl ketone (MEK; 2-Butanone)
TWA (mg/m <sup>3</sup> )	445 mg/m <sup>3</sup>
TWA (ppm)	150 ppm
STEL (mg/m <sup>3</sup> )	890 mg/m <sup>3</sup>
STEL (ppm)	300 ppm
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
<b>Titanium dioxide (13463-67-7)</b>	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Titanium dioxide
TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
<b>Zinc oxide (1314-13-2)</b>	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Zinc oxide
TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> dust 5 mg/m <sup>3</sup> fume
STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> fume
Remark (AU)	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)
<b>Toluene (108-88-3)</b>	
<b>Australia - Occupational Exposure Limits</b>	
Local name	Toluene
TWA (mg/m <sup>3</sup> )	191 mg/m <sup>3</sup>
TWA (ppm)	50 ppm
STEL (mg/m <sup>3</sup> )	574 mg/m <sup>3</sup>
STEL (ppm)	150 ppm
Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
OEL chemical category (AU)	Skin notation
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

### 8.2. Monitoring

No additional information available

### 8.3. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Pay attention to explosion protection guidelines.

### 8.4. Personal protective equipment

Hand protection : Splash protection. 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

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
protective gloves	Butyl rubber	2 (> 30 minutes)	≥0.7		EN ISO 374

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



- Eye protection : Tightly fitting goggles (EN 166). Eyewash bottle with clean water (EN 15154)
- Skin and body protection : Long sleeved protective clothing (DIN EN ISO 6530)
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Device	Filter type	Condition	Standard
Respiratory protective device with a gas filter	Type A		EN 14387

Environmental exposure controls : Avoid release to the environment.

Other information : Do not inhale vapour. Avoid contact with skin and eyes. Wash hands before breaks and at the end of workday. Wash hands immediately after handling the product. Do not eat, drink or smoke when using this product.

### SECTION 9: Physical and chemical properties

- Physical state : Liquid
- Appearance : No data available
- Colour : red
- Odour : Like ketone
- Odour threshold : No data available
- pH : No data available
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point / Freezing point : No data available
- Boiling point :  $\approx 80$  °C
- Flash point : -14 °C
- Auto-ignition temperature : > 460 °C
- Flammability (solid, gas) : No data available
- Vapour pressure : Vapour pressure :  $\approx 101$  hPa @ 20 °C
- Relative density : No data available
- Density : Density : 1.02 g/cm<sup>3</sup> @ 20 °C
- Solubility : Water: paritly miscible
- Log Pow : No data available
- Viscosity, kinematic : > 20.5 mm<sup>2</sup>/s @ 40 °C
- Viscosity, dynamic :  $\approx 860$  mPa·s
- Explosive properties : No data available
- Explosive limits : No data available
- Lower explosive limit (LEL) : 1 vol %
- Minimum ignition energy : No data available
- VOC content : 60 – 65 % VOC Directive 2004/42/EC - Decorative paints and varnishes
- Fat solubility : No data available
- Additional information : Solvent content <70%

### SECTION 10: Stability and reactivity

- Reactivity : No decomposition if stored and applied as directed.
- Chemical stability : Stable under normal conditions.
- Possibility of hazardous reactions : Reacts with oxidants.
- Conditions to avoid : To avoid thermal decomposition, do not overheat. Vapour/air mixtures are explosive.
- Incompatible materials : Strong oxidizing agent.
- Hazardous decomposition products : Thermal decomposition generates : Chlorine compounds. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

- Acute toxicity : Not classified
- Acute toxicity (dermal) : Harmful in contact with skin.
- Acute toxicity (inhalation) : Harmful if inhaled.

ATE AU (dermal)	1100 mg/kg bodyweight
ATE AU (dust,mist)	3.829 mg/l/4h

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



<b>Zinc oxide (1314-13-2)</b>	
LD50 oral rat	> 5000 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
LC50 Inhalation - Rat	> 5.7 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: Not classified
Potential adverse human health effects and symptoms	: Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance. High concentration of vapours may induce: headache, nausea, dizziness. May have a narcotic effect at high concentrations

### SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

#### 12.1. Ecotoxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.
Other information	: Do not flush into surface water or sewer system.

#### 12.2. Persistence and degradability

<b>TIP TOP PRIMER PR 304</b>	
Persistence and degradability	No data available.

<b>Zinc oxide (1314-13-2)</b>	
Not rapidly degradable	

#### 12.3. Bioaccumulative potential

<b>TIP TOP PRIMER PR 304</b>	
Bioaccumulative potential	No data available.

#### 12.4. Mobility in soil

<b>TIP TOP PRIMER PR 304</b>	
Ecology - soil	No data available.

#### 12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: Significantly hazardous to water.

<b>TIP TOP PRIMER PR 304</b>	
Fluorinated greenhouse gases	False

<b>Butanone (78-93-3)</b>	
Fluorinated greenhouse gases	False

<b>Titanium dioxide (13463-67-7)</b>	
Fluorinated greenhouse gases	False

<b>Zinc oxide (1314-13-2)</b>	
Fluorinated greenhouse gases	False

# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211






<b>Trizinc bis(orthophosphate) (7779-90-0)</b>	
Fluorinated greenhouse gases	False
<b>Toluene (108-88-3)</b>	
Fluorinated greenhouse gases	False
<b>Reaction mass of ethylbenzene and xylene</b>	
Fluorinated greenhouse gases	False
<b>Other substances (not contributing to the classification of this product)</b>	
Fluorinated greenhouse gases	False

### SECTION 13: Disposal considerations

Waste treatment methods	: Recycling is preferred to disposal or incineration. Can be incinerated according to local regulations.
Product/Packaging disposal recommendations	: Packaging that cannot be cleaned should be disposed of like the product. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14: Transport information

ADG	IMDG	IATA
<b>14.1. UN number</b>		
1133	1133	1133
<b>14.2. UN proper shipping name</b>		
ADHESIVES	ADHESIVES	Adhesives
<b>14.3. Transport hazard class(es)</b>		
3	3	3
		
<b>14.4. Packing group</b>		
II - substances presenting medium danger	II	II
<b>14.5. Environmental hazards</b>		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No

#### 14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

#### 14.7. Additional information

Other information	: No supplementary information available
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#### Transport by road and rail

UN-No. (ADG)	: 1133
Limited quantities (ADG)	: 5l
Packing instructions (ADG)	: P001, IBC02
Special packing provisions (ADG)	: PP1
Portable tank and bulk container instructions (ADG)	: T4
Portable tank and bulk container special provisions (ADG)	: TP1, TP8

#### Transport by sea

UN-No. (IMDG)	: 1133
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
EmS-No. (Fire)	: F-E - FIRE SCHEDULE Echo - NON-WATER-REACTIVE FLAMMABLE LIQUIDS
EmS-No. (Spillage)	: S-D - SPILLAGE SCHEDULE Delta - FLAMMABLE LIQUIDS
Properties and observations (IMDG)	: Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.



# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



### Air transport

UN-No. (IATA)	: 1133
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3
ERG code (IATA)	: 3L

### 14.8. Hazchem or Emergency Action Code

Hazchem Code : \* 3YE

## SECTION 15: Regulatory information

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

#### National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

Australian Inventory of Chemical Substances (AICS) status : All the chemicals contained in this product are listed on the AICS

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Relevant Poisons Schedule number : Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

### 15.2. International agreements

No additional information available

## SECTION 16: Any other relevant information

Revision date : 01/09/2020

Classification:

Flam. Liq. 2	H225
Acute Tox. 4 (Dermal)	H312
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H336
STOT SE 3	H335
STOT RE 2	H373
Aquatic Chronic 3	H412

Full text of H-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour.



# TIP TOP PRIMER PR 304

## Safety Data Sheet

according to the Model Work Health and Safety Regulations

SDS No: 00156-0211



H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*