

**Safety Data Sheet****TIP TOP PRIMER PR 304**

Revision date: 03/19/2025

Product code: 00156-0211

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**1. Identification****Product identifier**

TIP TOP PRIMER PR 304

**Art.-No.**

525 4112, 525 4150

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Adhesive

**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 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  
Infotrac/GBK GmbH-ID: 93591

**2. Hazard(s) identification****Classification of the chemical****Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225  
Acute Tox. 4; H332  
Acute Tox. 4; H312  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
STOT SE 3; H335 H336  
STOT RE 2; H373  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

**Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**

Reaction mass of ethylbenzene and xylene  
Butanone

**Signal word:** Danger

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**Pictograms:****Hazard statements**

H225	Highly flammable liquid and vapor
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**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260	Do not breathe vapour.
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.
P273	Avoid release to the environment.

**Special labelling of certain mixtures**

EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
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**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 in organic solvents

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**Hazardous components**

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
	Reaction mass of ethylbenzene and xylene			< 40 %
	905-588-0		01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H332 H312 H315 H319 H335 H373 H304			
78-93-3	Butanone			< 30 %
	201-159-0	606-002-00-3	01-2119457290-43	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
1314-13-2	Zinc oxide			< 2,5 %
	215-222-5	030-013-00-7	01-2119463881-32	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
13463-67-7	titanium dioxide			< 5 %
	236-675-5	022-006-00-2	01-2119489379-17	
	Carc. 2; H351			
7779-90-0	Trizinc bis(orthophosphate)			< 1 %
	231-944-3	030-011-00-6	01-2119485044-40	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
108-88-3	Toluene			< 1 %
	203-625-9	601-021-00-3	01-2119471310-51	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Components	Quantity
		Specific Conc. Limits, M-factors and ATE	
	905-588-0	Reaction mass of ethylbenzene and xylene	< 40 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: ATE = 1100 mg/kg STOT RE 2; H373: >= 10 - 100	
1314-13-2	215-222-5	Zinc oxide	< 2,5 %
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
108-88-3	203-625-9	Toluene	< 1 %
		inhalation: LC50 = 49 mg/l (vapours); dermal: LD50 = 12200 mg/kg	

**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 <= 10 µm.

**4. First-aid measures**
**Description of first aid measures**
**General information**

Remove contaminated soaked clothing immediately.  
In the event of persistent symptoms receive medical treatment.  
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.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

Wash off immediately 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.  
Seek medical treatment by eye specialist.

**After ingestion**

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
The decision whether to induce vomiting or not is to be taken by a physician.

**Most important symptoms and effects, both acute and delayed**

Harmful in contact with skin or if inhaled.  
Causes skin irritation.  
Causes serious eye irritation.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
May cause damage to organs through prolonged or repeated exposure.

**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  
Chlorine compounds

**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.  
Keep away sources of ignition.  
Keep away noninvolved persons.



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**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.

**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.

**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**

Keep container tightly closed.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion**

Do not smoke - volatile.  
Keep product and empty container away from heat and sources of ignition.  
Pay attention to anti-explosion rules.  
Take precautionary measures against static discharges.

**Advice on general occupational hygiene**

Do not inhale vapours.  
Avoid contact with eyes and skin.  
Wash hands before breaks and immediately after handling the product.  
When using do not eat, drink or smoke.  
Treat subsequently with skin cream.  
Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep containers tightly closed in a cool, well-ventilated place.

**Hints on joint storage**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**Specific end use(s)**

Adhesive

## 8. Exposure controls/personal protection

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**Control parameters**
**Exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	f/cc	Category	Origin
78-93-3	2-Butanone (Methyl ethyl ketone)	200	590		TWA (8 h)	REL
78-93-3	2-Butanone	200	590		TWA (8 h)	REL
		300	885		STEL (15 min)	REL
100-41-4	Ethyl benzene	100	435		TWA (8 h)	REL
		100	435		TWA (8 h)	REL
		125	545		STEL (15 min)	REL
100-41-4	Ethyl benzene	20			TWA (8 h)	ACGIH-2024
1309-37-1	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ) (respirable fraction)		5		TWA (8 h)	ACGIH-2024
1309-37-1	Iron oxide dust and fume (as Fe)	-	5		TWA (8 h)	REL
1309-37-1	Iron oxide fume	-	10		TWA (8 h)	REL
78-93-3	Methyl ethyl ketone	75			TWA (8 h)	ACGIH-2024
		150			STEL (15 min)	ACGIH-2024
13463-67-7	Titanium dioxide Total dust	-	15		TWA (8 h)	REL
13463-67-7	Titanium dioxide: Finescale particles (Respirable particulate matter)		0.2		TWA (8 h)	ACGIH-2024
13463-67-7	Titanium dioxide				as low as possible	REL
108-88-3	Toluene	200	-		TWA (8 h)	REL
		C 300	-		Ceiling	REL
		500	-		Peak (10 min)	REL
108-88-3	Toluene	100	375		TWA (8 h)	REL
		150	560		STEL (15 min)	REL
108-88-3	Toluene	20	-		TWA (8 h)	ACGIH-2024
1330-20-7	Xylene: mixed isomers	20			TWA (8 h)	ACGIH-2024
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-2024
			10		STEL (15 min)	ACGIH-2024
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
78-93-3	METHYL ETHYL KETONE	Methyl ethyl ketone	2 mg/L	urine	End of shift
108-88-3	TOLUENE	Toluene	0.02 mg/L	blood	Prior to last shift of workweek
100-41-4	ETHYLBENZENE	Sum of mandelic acid and phenylglyoxylic acid (creatinine)	0.15 g/g	urine	End of shift

**Exposure controls**

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**Appropriate engineering controls**

- Ensure adequate ventilation, especially in confined areas.
- Pay attention to explosion protection guidelines.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

- Tightly fitting goggles.
- Eye wash bottle with pure water.

**Hand protection**

- Splash protection:
- 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.
- 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**

- Long sleeved clothing.

**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:	Red
Odor:	Like ketone

**Changes in the physical state**

Melting point/freezing point:	n.d.
Boiling point or initial boiling point and boiling range:	approx. 80 °C
Sublimation point:	n.a.
Softening point:	n.d.
Flash point:	- 14 °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 explosion limits:	1 vol. %
Upper explosion limits:	n.d.
Auto-ignition temperature:	> 460 °C

**Self-ignition temperature**

Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	n.d.
pH-Value:	n.d.
Viscosity / dynamic:	approx. 860 mPa·s
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s



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Flow time:	n.d.
Water solubility: (at 20 °C)	Partially miscible
<b>Solubility in other solvents</b> n.d.	
Partition coefficient n-octanol/water:	n.d.
Vapor pressure: (at 20 °C)	approx. 101 hPa
Density (at 20 °C):	1,02 g/cm <sup>3</sup>
Bulk density:	n.a.
Relative vapour density:	n.d.

**Other information****Information with regard to physical hazard classes**

Sustained combustibility:	Sustained combustibility
Oxidizing properties Not oxidising.	

**Other safety characteristics**

Solvent separation test:	n.d.
Solvent content:	< 70 %
Evaporation rate:	n.d.

**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 oxidizing agents.

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Vapours may form explosive mixture with air.

**Incompatible materials**

Strong oxidizing agents

**Hazardous decomposition products**

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

**11. Toxicological information****Information on toxicological effects****Acute toxicity**

Harmful if inhaled  
Harmful in contact with skin  
No toxicological data available.

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#### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation  
Serious eye damage/eye irritation: Causes serious eye irritation

#### Sensitizing effects

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

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

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

May cause respiratory irritation (Reaction mass of ethylbenzene and xylene)  
May cause drowsiness or dizziness (Butanone)

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

May cause damage to organs through prolonged or repeated exposure (Reaction mass of ethylbenzene and xylene)

#### Aspiration hazard

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

#### Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

#### Additional information on tests

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 in high concentration can cause narcotic effects.  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.  
Inhalation of high vapour concentration 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.

## 12. Ecological information

### Ecotoxicity

Ecological data are not available.  
Harmful to aquatic life with long lasting effects.  
Xylene (mixed isomers)  
LC50/Oncorhynchus mykiss/96 h = 2,6 mg/l  
EC50/Daphnia magna/24 h = 1 mg/l [OECD 202]  
EC50/Pseudokirchneriella subcapitata/72 h = 2,2 mg/l [OECD 201]  
Zinc oxide  
EC50/Selenastrum capricornutum/72 h = 0,17 mg/l  
Butanone  
LC50/Pimephales promelas/96 h = 2990 mg/l [OECD 203]  
EC50/Daphnia magna/48 h = 308 mg/l [OECD 202]  
EC50/Pseudokirchneriella subcapitata/72 h = 1972 mg/l [OECD 201]  
Toluene  
LC50/Carassius Auratus/96 h = 13 mg/l  
EC50/algae/72 h = 12,5 mg/l [OECD 201]  
Trizinc bis(orthophosphate)  
LC50/Fish/96 h < 5,1 mg/l  
EC50/Daphnia magna/48 h < 1,7 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

**Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

**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 packagings are to be treated like the product itself.  
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.

**14. Transport information****Land transport (ADR/RID)**

<b><u>UN number or ID number:</u></b>	UN 1133
<b><u>UN proper shipping name:</u></b>	Adhesives
<b><u>Transport hazard class(es):</u></b>	3
<b><u>Packing group:</u></b>	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

**Inland waterways transport (ADN)**

<b><u>UN number or ID number:</u></b>	UN 1133
<b><u>UN proper shipping name:</u></b>	Adhesives
<b><u>Transport hazard class(es):</u></b>	3

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**Packing group:** II  
Hazard label: 3



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

**Marine transport (IMDG)**

**UN number or ID number:** UN 1133  
**UN 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  
**UN 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

**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****Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):  
Entry 3, Entry 40, Entry 48, Entry 75

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Directive 2004/42/EC on VOC in  
paints and varnishes:  
Information according to Directive  
2012/18/EU (SEVESO III):

60 - 65%

P5c FLAMMABLE LIQUIDS

#### National regulatory information

Employment restrictions:

Observe employment restrictions for young people. Observe employment  
restrictions for child bearing mothers and nursing.

Water hazard class (D):

2 - obviously hazardous to water

#### Additional information

@00000000427

#### Chemical Safety Assessment

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

### 16. Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,6,7,8,9,10,11,12.

#### 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

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**Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008**

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Acute Tox. 4; H332	Calculation method
Acute Tox. 4; H312	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H335	Calculation method
STOT SE 3; H336	Calculation method
STOT RE 2; H373	Calculation method
Aquatic Chronic 3; H412	Calculation method

**Relevant H statements (full text)**

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H312+H332	Harmful in contact with skin or if inhaled
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
H361d	Suspected of damaging 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
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH211	Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

**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 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.)*