

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 1 of 12

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

TIP TOP SOLUTION T2-B4

**Art.-No.**

517 9015

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

**Use of the substance/mixture**

adhesive

### 1.3. 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 AUTOMOTIVE UK LTD  
Street: Westland Square, LEEDS  
Place: West Yorkshire, LS11 5XS  
Telephone: +44 (0)113 2770044  
E-mail: info@tip-top.co.uk  
Internet: www.rema-tiptop.co.uk

### 1.4. Emergency telephone number:

INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**GB CLP Regulation**

Flam. Liq. 2; H225  
Eye Irrit. 2; H319  
STOT SE 3; H336  
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

**GB CLP Regulation****Hazard components for labelling**

Ethyl acetate  
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane

**Signal word:** Danger**Pictograms:****Hazard statements**

H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP SOLUTION T2-B4**

Revision date: 14.03.2025

Product code: 00156-0114

Page 2 of 12

H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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 or 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**

EUH066 Repeated exposure may cause skin dryness or cracking.  
EUH208 Contains Zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

**2.3. Other hazards**

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.  
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605  
Vapours may form explosive mixture with air.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Preparation with ethyl acetate

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 3 of 12

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
141-78-6	Ethyl acetate			< 55 %
	205-500-4	607-022-00-5	01-2119475103-46	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336 EUH066			
92062-15-2	Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane [Solvent naphta (petroleum)]			< 30 %
	926-605-8		01-2119486291-36	
	Flam. Liq. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H336 H304 H411 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			
14634-93-6	Zinc-bis (N-ethyl-N-phenyldithiocarbamate)			< 2,5 %
	238-677-1			
	Eye Irrit. 2, Aquatic Chronic 4; H319 H413			
5459-93-8	N-Cyclohexyl-N-ethylamine			< 1 %
	226-733-8		01-2119949285-29	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Aquatic Chronic 3; H226 H311 H332 H302 H314 H318 H412			
136-23-2	Zinc bis(dibutyldithiocarbamate)			< 0,5 %
	205-232-8	006-081-00-9	01-2119535161-51	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1, STOT SE 3, Aquatic Acute 1, Aquatic Chronic 1; H315 H319 H317 H335 H400 H410			

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

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

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
141-78-6	205-500-4	Ethyl acetate	< 55 %
		dermal: LD50 = > 18000 mg/kg; oral: LD50 = 5620 mg/kg	
1314-13-2	215-222-5	Zinc oxide	< 2,5 %
		Aquatic Acute 1; H400: M=1 Aquatic Chronic 1; H410: M=1	
5459-93-8	226-733-8	N-Cyclohexyl-N-ethylamine	< 1 %
		inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 750 mg/kg; oral: LD50 = 590 mg/kg	

#### Further Information

According to note P to the regulation (EC) no. 1272/2008, "Solvent naphta (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.  
Take away from danger area and lay down affected person.

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 4 of 12

#### 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.

#### After contact with skin

Wash off 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, for at least 15 minutes.  
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.  
Induce vomiting only upon the advice of a physician.

#### 4.2. Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.  
May cause drowsiness or dizziness.  
Repeated exposure may cause skin dryness or cracking.  
Attention. Beware, danger of aspiration.

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

Treat symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

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

##### Unsuitable extinguishing media

Full water jet

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

Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides and nitrogen oxides (NO<sub>x</sub>).

#### 5.3. Advice for firefighters

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.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### General advice

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

##### For non-emergency personnel

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



## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 5 of 12

#### For emergency responders

In case of vapour formation use respirator.  
Use personal protective clothing.

#### **6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

#### **6.3. 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.

#### **6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).  
Information for disposal see section 13.

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

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.  
Pay attention to anti-explosion protection rules: In case of an explosive atmosphere use only explosion-proof equipment.

#### **Advice on general occupational hygiene**

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 clothes before re-use.

### **7.2. 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  
Nitrous acid and other nitrosating agents.

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

### **7.3. Specific end use(s)**

adhesive

## SECTION 8: Exposure controls/personal protection

### **8.1. Control parameters**

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 6 of 12

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
141-78-6	Ethyl acetate	200	734		TWA (8 h)	WEL
		400	1468		STEL (15 min)	WEL

#### 8.2. 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 (EN 166).

Eye wash bottle with pure water (EN 15154).

##### Hand protection

Splash protection:

Protective gloves resistant to chemicals made off butyl, minimum coat thickness 0.7 mm, permeation resistance (wear duration) approx. 120 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de.

Protective gloves resistant to chemicals made off nitrile, minimum coat thickness 0.4 mm, permeation resistance (wear duration) approx. 30 minutes, i.e. protective glove <Camatril Velours 730> 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 (DIN EN ISO 6530)

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Black
Odour:	Ester-like

#### Test method

##### Changes in the physical state

Melting point/freezing point: < - 20 °C

Boiling point or initial boiling point and boiling range: > 76 °C

Sublimation point: n.a.

Softening point: n.d.

Flash point: - 18 °C

##### Flammability

Solid/liquid: n.a.

##### Explosive properties

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

Lower explosion limits: 2,1 vol. %

Upper explosion limits: 11,5 vol. %

**Safety Data Sheet**

according to UK REACH Regulation

**TIP TOP SOLUTION T2-B4**

Revision date: 14.03.2025

Product code: 00156-0114

Page 7 of 12

Auto-ignition temperature:	460 °C
<b>Self-ignition temperature</b>	
Solid:	n.a.
Gas:	n.a.
Decomposition temperature:	n.d.
pH-Value:	n.d.
Viscosity / dynamic:	n.d.
Viscosity / kinematic: (at 40 °C)	> 20,5 mm <sup>2</sup> /s
Flow time: (at 23 °C)	> 30 s 3 DIN/ISO 2431
Water solubility: (at 20 °C)	Immiscible
<b>Solubility in other solvents</b>	
n.d.	
Partition coefficient n-octanol/water:	n.d.
Vapour pressure:	n.d.
Density (at 20 °C):	0,9 g/cm <sup>3</sup>
Relative vapour density:	n.d.

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

Sustained combustibility:	Sustained combustibility
Oxidizing properties	
Not oxidising.	

**Other safety characteristics**

Solvent separation test:	0 %
Solvent content:	< 80 %
Evaporation rate:	n.d.

**Further Information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4. 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.

**10.5. Incompatible materials**

Nitrous acid and other nitrosating agents.  
oxidizing agents

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 8 of 12

#### **10.6. Hazardous decomposition products**

Fire may produce:

Carbon monoxide, carbon dioxide, sulphur oxides, and nitrogen oxides (NO<sub>x</sub>).

An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

### **SECTION 11: Toxicological information**

#### **11.1. Information on hazard classes as defined in GB CLP Regulation**

##### **Acute toxicity**

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

No toxicological data available.

##### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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

Serious eye damage/eye irritation: Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Repeated exposure may cause skin dryness or cracking.

##### **Sensitising effects**

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

Contains Zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

##### **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.

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

May cause drowsiness or dizziness. (Ethyl acetate; Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane [Solvent naphta (petroleum)])

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

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

##### **Aspiration hazard**

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

##### **Additional information on tests**

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

#### **11.2. Information on other hazards**

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

No data available

##### **Other information**

Effects of breathing high concentrations of vapour may include:

Headache, dizziness, weakness, unconsciousness.

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

An inappropriate handling, for instance major amounts of product combined with strong heat and nitrosating agents, renders possible a cleavage of nitrosamines in traces.

### **SECTION 12: Ecological information**

#### **12.1. Toxicity**

Ecological data are not available.

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclic compounds, < 3% n-hexane

LC50/Oncorhynchus mykiss/96 h = 12 mg/l

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 9 of 12

EC50/Daphnia magna/48 h = 3 mg/l  
EC50/Pseudokirchneriella subcapitata/72 h = 55 mg/l  
Zinc oxide  
EC50/Ceriodaphnia dubia/48 h = 0,01 - 0,1 mg/l  
EC50/Selenastrum capricornutum/72 h = 0,01 - 0,1 mg/l  
N-Cyclohexyl-N-ethylamine  
EC50/Daphnia magna/48 h = 10 - 100 mg/l  
ErC50/Desmodesmus subspicatus/72 h = 10 - 100 mg/l  
Zinc bis(dibutyldithiocarbamate)  
LC50/Oncorhynchus mykiss/96 h = 520 mg/l  
LC50/Lepomis macrochirus/96 h = 880 mg/l  
EC50/Daphnia magna/48 h = 0,74 mg/l  
Ethyl acetate  
LC50/Pimephales promelas/96 h = 230 mg/l  
EC50/Daphnia magna/48 h = 610 mg/l  
EC50/Scenedesmus subspicatus /72 h = 5600 mg/l

#### **12.2. Persistence and degradability**

No data available

#### **12.3. Bioaccumulative potential**

No data available

#### **12.4. Mobility in soil**

No data available

#### **12.5. Results of PBT and vPvB assessment**

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

#### **12.6. 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.

#### **12.7. Other adverse effects**

Hazardous water pollutant.

#### **Further information**

Do not flush into surface water or sanitary sewer system.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Disposal recommendations**

Where possible recycling is preferred to disposal.  
Can be incinerated, when in compliance with local regulations.

##### **List of Wastes Code - residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

##### **Contaminated packaging**

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

### SECTION 14: Transport information

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 10 of 12

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** 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)

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



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

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives (Solvent naphtha (petroleum))  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Marine pollutant: Yes  
Limited quantity: 5 L / 30 kg  
Excepted quantity: E2  
EmS: F-E, S-D

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

**14.1. UN number or ID number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Limited quantity Passenger: 1 L

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 11 of 12

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

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



#### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

#### 14.7. Maritime transport in bulk according to IMO instruments

The transport takes place only in approved and appropriate packaging.

### SECTION 15: Regulatory information

#### 15.1. 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 75

Directive 2004/42/EC on VOC in  
paints and varnishes: < 80 %Information according to Directive  
2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

Additional information: E2

##### National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 6,7.

#### 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

## Safety Data Sheet

according to UK REACH Regulation

### TIP TOP SOLUTION T2-B4

Revision date: 14.03.2025

Product code: 00156-0114

Page 12 of 12

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

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Eye Irrit. 2; H319	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Zinc bis(dibutyldithiocarbamate). May produce an allergic reaction.

#### Further Information

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation 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.)*