

# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 1 of 11

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

#### 1.1. Product identifier

TIP TOP REMAFIX PR 100

Art.-No.

525 2901

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

#### Use of the substance/mixture

**Primer Coat** 

## 1.3. Details of the supplier of the safety data sheet

Company name: TIP TOP Oberflaechenschutz Elbe GmbH

Street: Heuweg 4

Place: D-06886 Wittenberg

Telephone: +49(0)3491/635-50 Telefax: +49(0)3491/635-552

Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**1.4. Emergency telephone** INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)

number: In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111

#### **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

### **Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 3 Acute toxicity: Acute Tox. 4 Aspiration hazard: Asp. Tox. 1 Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2 Respiratory or skin sensitisation: Resp. Sens. 1 Respiratory or skin sensitisation: Skin Sens. 1

Carcinogenicity: Carc. 2

Specific target organ toxicity - single exposure: STOT SE 3 Specific target organ toxicity - repeated exposure: STOT RE 2 Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Flammable liquid and vapour.

Harmful if inhaled.

May be fatal if swallowed and enters airways.

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Suspected of causing cancer.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### **Regulation (EC) No. 1272/2008**



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 2 of 11

### Hazard components for labelling

Diphenylmethanediisocvanate, isomers and homologues

Xylene (mixed isomers) Hydrocarbons, C9, aromatics

Ethyl benzene

Signal word: Danger

Pictograms:







#### **Hazard statements**

| H226 | Flammable liquid and vapour.   |
|------|--|
| H304 | May be fatal if swallowed and enters airways.                              |
| H315 | Causes skin irritation.  |
| H317 | May cause an allergic skin reaction.                                       |
| H319 | Causes serious eye irritation.   |
| H332 | Harmful if inhaled.  |
| H334 | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335 | May cause respiratory irritation.  |
| H351 | Suspected of causing cancer.   |
| H373 | May cause damage to organs through prolonged or repeated exposure.         |

#### **Precautionary statements**

H412

| D000 | Description of the control of the co |
|------|--|
| P202 | Do not handle until all safety precautions have been read and understood.  |

Harmful to aquatic life with long lasting effects.

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.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331 Do NOT induce vomiting.

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

# Special labelling of certain mixtures

EUH204 Contains isocyanates. 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.

Vapours may form explosive mixture with air.

### **SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

#### Chemical characterization

Preparation with isocyanates





# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 3 of 11

### **Hazardous components**

| CAS No     | Chemical name  |  |                  |  |
|------------|--|--|------------------|--|
|            | EC No  | Index No   | REACH No         |  |
|            | GHS Classification   | •  |                  |  |
| 9016-87-9  | Diphenylmethanediisocyanate, isomers and homologues  |  |                  |  |
|            |  |  | 01-2119457024-46 |  |
|            | Carc. 2, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2, Resp. Sens. 1, Skin Sens. 1, STOT SE 3, STOT RE 2; H351 H332 H315 H319 H334 H317 H335 H373 |  |                  |  |
| 1330-20-7  | Xylene (mixed isomers)   |  |                  |  |
|            | 215-535-7  | 601-022-00-9   | 01-2119488216-32 |  |
|            |  | e Tox. 4, Skin Irrit. 2, Eye Irrit. 2,<br>H332 H312 H315 H319 H335 H |                  |  |
| 64742-95-6 | Hydrocarbons, C9, aromatics  |  |                  |  |
|            | 918-668-5  | 649-356-00-4   | 01-2119455851-35 |  |
|            | Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066  |  |                  |  |
| 100-41-4   | Ethyl benzene  |  |                  |  |
|            | 202-849-4  | 601-023-00-4   | 01-2119489370-35 |  |
|            | Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304  |  |                  |  |

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

## **SECTION 4: First aid measures**

# 4.1. 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.

Keep under medical supervision for at least 48 hours.

## After inhalation

If patient is not breathing, apply artificial respiration.

Move to fresh air in case of accidental inhalation of vapours.

Refer for medical treatment.

## After contact with skin

Remove immediately adhering matter.

Wash off immediately with soap and plenty of water.

Treat subsequently with skin cream.

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

Summon a doctor immediately.

Do not induce vomiting.

Rinse out mouth thoroughly with water.

Induce vomiting only upon the advice of a physician.

Attention. Beware, danger of aspiration.

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

Harmful if inhaled.

Causes skin irritation.



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 4 of 11

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Suspected of causing cancer.

May cause respiratory irritation.

May cause damage to organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.

### 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

Alcohol-resistant foam, dry chemical, carbon dioxide (CO2), water-spray.

#### Unsuitable extinguishing media

Full water jet

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

Fire may produce:

carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx)

Hydrogen cyanide (HCN)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

#### Additional information

Cool containers at risk with water spray jet.

Do not release chemically contaminated water into drains, soil or surface waters. Sufficient measures must be taken to retain water used for extinguishing.

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

In case of vapour formation use respirator.

Ensure adequate ventilation.

Remove persons to safety.

Use personal protective clothing.

Keep away sources of ignition.

### 6.2. Environmental precautions

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

Do not discharge into the subsoil/soil.

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into suitable container for disposal.

Container should not be gas-tight closed.

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

### 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



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 5 of 11

### Advice on safe handling

Keep container tightly closed.

Vapours are heavier than air and spread along ground.

Avoid contact with the skin and the eyes.

Do not breathe vapours.

Local exhaust.

Use only in thoroughly ventilated areas.

### Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Vapours are heavier than air and spread along ground.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

### 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.

Keep at temperatures between 15°C and 25°C.

#### Hints on joint storage

Exothermic reaction with:

Acids and bases.

Water, amines, alcohols

## Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

## 7.3. Specific end use(s)

**Primer Coat** 

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

### **Exposure limits (EH40)**

| CAS No    | Substance   | ppm | mg/m³ | fibres/ml | Category      | Origin |
|-----------|---|-----|-------|-----------|---------------|--------|
| 100-41-4  | Ethylbenzene  | 100 | 441   |           | TWA (8 h)     | WEL    |
|           |   | 125 | 552   |           | STEL (15 min) | WEL    |
| -         | Isocyanates, all (as -NCO) Except methyl isocyanate | -   | 0.02  |           | TWA (8 h)     | WEL    |
|           |   | -   | 0.07  |           | STEL (15 min) | WEL    |
| 1330-20-7 | Xylene: mixed isomers                               | 50  | 220   |           | TWA (8 h)     | WEL    |
|           |   | 100 | 441   |           | STEL (15 min) | WEL    |

### **Biological Monitoring Guidance Values (EH40)**

| CAS No    | Substance                           | Parameter                         | Value           | Test material | Sampling time |
|-----------|-------------------------------------|-----------------------------------|-----------------|---------------|---------------|
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | methyl hippuric acid (creatinine) | 650<br>mmol/mol | -             | Post shift    |

# 8.2. Exposure controls

## Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 6 of 11

## Protective and hygiene measures

Do not inhale vapours.

Avoid contact with eves and skin.

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Take off immediately all contaminated clothing.

### Eye/face protection

Tightly fitting goggles (EN 166).

Eye wash bottle with pure water (EN 15154).

#### Hand protection

Protective gloves resistant to chemicals made off viton, minimum coat thickness 0.7 mm, permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> 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.

Pls. find examples in the protective gloves database under: http://bestglove.com/site/chemrest/

### Skin protection

Light protective clothing

#### 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: Brown

Odour: Of aromatic carbon hydroxides

pH-Value: n.d.

Changes in the physical state

Melting point:

Initial boiling point and boiling range:

Sublimation point:

Softening point:

Ind.

Softening point:

Ind.

Flash point: 30 °C

Flammability

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

### **Explosive properties**

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

Lower explosion limits: 0,7 vol. % Upper explosion limits: 7,5 vol. % Ignition temperature: 355 °C

**Auto-ignition temperature** 

Solid: n.a. Gas: n.a. Decomposition temperature: n.d.



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 7 of 11

**Oxidizing properties** 

Not oxidising.

Vapour pressure:

Density (at 20 °C):

Bulk density:

Nature solubility:

n.d.

1 g/cm³

n.a.

Reacts with water.

Solubility in other solvents

n.d.

Partition coefficient: n.d. Viscosity / dynamic: n.d.

Viscosity / kinematic: < 20,5 mm²/s DIN EN ISO 3104

(at 40 °C)

Flow time: n.d.
Vapour density: n.d.
Evaporation rate: n.d.
Solvent separation test: n.d.
Solvent content: < 70 %

### 9.2. Other 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

Container can be pressurized by carbon dioxide due to reaction with humid air and/or water.

Reactions with strong acids and alkalies.

### 10.4. Conditions to avoid

Vapours may form explosive mixture with air.

## 10.5. Incompatible materials

Acids and bases.

Water, amines, alcohols

## 10.6. Hazardous decomposition products

No hazardous decomposition products known.

Fire may produce:

Hydrogen cyanide gas

Carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx)

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

#### **Acute toxicity**

Harmful if inhaled.

No toxicological data available.

### Irritation and corrosivity



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 8 of 11

Causes skin irritation.

Causes serious eye irritation.

### Sensitising effects

Contains isocyanates. May produce an allergic reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Diphenylmethanediisocyanate, isomers and homologues)

May cause an allergic skin reaction. (Diphenylmethanediisocyanate, isomers and homologues)

### Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing cancer. (Diphenylmethanediisocyanate, isomers and homologues)

Germ cell mutagenicity: 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 respiratory irritation. (Diphenylmethanediisocyanate, isomers and homologues; Xylene (mixed isomers))

## STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure. (Diphenylmethanediisocyanate, isomers and homologues; Xylene (mixed isomers))

## **Aspiration hazard**

May be fatal if swallowed and enters airways.

#### Additional information on tests

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

### **Practical experience**

#### Other observations

With hypersensitive people, reactions as cough or difficulty of breathing may appear even with tiny concentrations of isocyanates; therefore keep room aerated and ventilated.

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

#### 12.1. Toxicity

Ecological data are not available.

Harmful to aquatic life with long lasting effects.

### 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

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

### 12.6. Other adverse effects

Hazardous water pollutant.

### **Further information**

Do not flush into surface water or sanitary sewer system.

In aqueous systems, formation of unsoluble and chemically inert (inactive) polyureas.

### **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.



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

## **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 9 of 11

## 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 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.

## **SECTION 14: Transport information**

## Land transport (ADR/RID)

**14.1. UN number:** UN 1993

**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Xylene (mixed isomers), Ethyl benzene)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Limited quantity: 5 L / 30 kg

Excepted quantity: E1
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E

Inland waterways transport (ADN)

**14.1. UN number:** UN 1993

**14.2. UN proper shipping name:** FLAMMABLE LIQUID, N.O.S. (Xylene (mixed isomers), Ethyl benzene)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Limited quantity: 5 L / 30 kg

Excepted quantity: E1

Marine transport (IMDG)

**14.1. UN number:** UN 1993

14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Xylene, Ethyl benzene)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3





# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 10 of 11



Marine pollutant:
Limited quantity:
Excepted quantity:
EmS:

No
5 L / 30 kg
E1
E1
F-E, S-E

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

**14.1. UN number:** UN 1993

14.2. UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (Xylene, Ethyl benzene)

14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Special Provisions:
Limited quantity Passenger:
Passenger LQ:
Excepted quantity:

A3
10 L
Y344
Excepted quantity:

IATA-packing instructions - Passenger: 355
IATA-max. quantity - Passenger: 60 L
IATA-packing instructions - Cargo: 366
IATA-max. quantity - Cargo: 220 L

## 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

2004/42/EC (VOC): < 70 %

Information according to 2012/18/EU

(SEVESO III):

P5c FLAMMABLE LIQUIDS

### **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.

### 15.2. Chemical safety assessment

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

### **SECTION 16: Other information**



# **Safety Data Sheet**

according to Regulation (EC) No 1907/2006

### **TIP TOP REMAFIX PR 100**

Revision date: 11.05.2020 Product code: 00359-1064 Page 11 of 11

#### 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 intér 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

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

| H225   | Highly flammable liquid and vapour.  |
|--------|--|
| H226   | Flammable liquid and vapour.   |
| H304   | May be fatal if swallowed and enters airways.                              |
| H312   | Harmful in contact with skin.  |
| H315   | Causes skin irritation.  |
| H317   | May cause an allergic skin reaction.                                       |
| H319   | Causes serious eye irritation.   |
| H332   | Harmful if inhaled.  |
| H334   | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H335   | May cause respiratory irritation.  |
| H336   | May cause drowsiness or dizziness.   |
| H351   | Suspected of causing cancer.   |
| H373   | May cause damage to organs through prolonged or repeated exposure.         |
| H411   | 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.                      |
| EUH204 | Contains isocyanates. 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 hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)