



# Safety Data Sheet

according to UK REACH Regulation

## TIP TOP COROFLAKE EP PRIMER, COMP. B

Revision date: 09.09.2021

Product code: 00359-1351

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

#### **1.1. Product identifier**

TIP TOP COROFLAKE EP PRIMER, COMP. B

##### **Art.-No.**

590 1800

#### **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**

##### **Manufacturer**

Company name: TIP TOP Oberflächenschutz 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

##### **Supplier**

Company name: REMA TIP TOP INDUSTRY UK LTD  
Street: Plumtree Industrial Estate, Harworth  
Place: Doncaster, DN11 8EW, South Yorkshire  
Telephone: +44 (0)1302 711233  
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**

Hazard categories:

Acute toxicity: Acute Tox. 4

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful if swallowed.

Harmful if inhaled.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

#### **2.2. Label elements**

##### **GB CLP Regulation**

##### **Hazard components for labelling**

Benzyl alcohol

Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine, 1,3-benzenedimethanamine and 2-(chloromethyl)oxirane

3-Aminomethyl-3,5,5-trimethylcyclohexylamine

Xylylenediamine

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

- H302+H332 Harmful if swallowed or if inhaled.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

- P260 Do not breathe vapour.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER/doctor.  
P273 Avoid release to the environment.

**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

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures****Chemical characterization**

Mixture containing following substances with additives

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### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
100-51-6	Benzyl alcohol			< 50 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine, 1,3-benzenedimethanamine and 2-(chloromethyl)oxirane			< 25 %
	Acute Tox. 4; H302			
2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine			< 25 %
	220-666-8	612-067-00-9	01-2119514687-32	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H318 H317 H412			
1477-55-0	Xylylenediamine			< 10 %
	216-032-5		01-2119480150-50	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H332 H302 H314 H318 H317 H412 EUH071			
69-72-7	Salicylic acid			< 3 %
	200-712-3	607-732-00-5	01-2119486984-17	
	Repr. 2, Acute Tox. 4, Eye Dam. 1; H361d H302 H318			

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		
100-51-6	202-859-9	Benzyl alcohol	< 50 %
	inhalation: ATE = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); oral: LD50 = 1570 mg/kg		
		Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 5-amino-1,3,3-trimethylcyclohexanemethanamine, 1,3-benzenedimethanamine and 2-(chloromethyl)oxirane	< 25 %
	oral: ATE = 500 mg/kg		
2855-13-2	220-666-8	3-Aminomethyl-3,5,5-trimethylcyclohexylamine	< 25 %
	inhalation: LC50 = >5,01 mg/l (dusts or mists); dermal: LD50 = ATE 1100 mg/kg; oral: LD50 = 1030 mg/kg		
1477-55-0	216-032-5	Xylylenediamine	< 10 %
	inhalation: LC50 = 2,4 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = ~ 2000 mg/kg; oral: LD50 = 930 mg/kg		
69-72-7	200-712-3	Salicylic acid	< 3 %
	dermal: LD50 = > 2000 mg/kg; oral: LD50 = 891 mg/kg		

## 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.



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### 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 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, for at least 15 minutes.  
Seek medical treatment by eye specialist.

### After ingestion

Do not induce vomiting.  
Rinse mouth.  
Never give anything by mouth to an unconscious person.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

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

Harmful if swallowed or if inhaled.  
Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.

### 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 (CO<sub>2</sub>), water-spray.  
Fire-extinguishing activities according to surrounding.

#### Unsuitable extinguishing media

Full water jet

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

Fire may produce:  
carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit.

### Additional information

Vapours are heavier than air and spread along ground.  
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.  
Cool containers at risk with water spray jet.  
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

#### General measures

Ensure adequate ventilation.  
Remove persons to safety.  
Keep away sources of ignition.

#### For non-emergency personnel

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



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### 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.  
Do not discharge into the subsoil/soil.

### 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.  
Clean contaminated surface thoroughly.

### 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.  
Use only in thoroughly ventilated areas.  
Avoid contact with skin, eyes and clothing.

#### Advice on protection against fire and explosion

No special protective measures against fire required.

### 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.  
Protect against direct sun radiation.  
Recommended storage temperature: 10°C - 30°C

#### Hints on joint storage

Incompatible with:  
Oxidizing agents, Acids and bases.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

### 7.3. Specific end use(s)

Primer Coat

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine			
Worker DNEL, long-term		inhalation	local	0,073 mg/m <sup>3</sup>
Worker DNEL, acute		inhalation	local	0,073 mg/m <sup>3</sup>

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**PNEC values**

CAS No	Substance	
	Environmental compartment	Value
2855-13-2	3-Aminomethyl-3,5,5-trimethylcyclohexylamine	
Freshwater		0,06 mg/l
Marine water		0,006 mg/l
Freshwater sediment		5,784 mg/l
Marine sediment		0,578 mg/l
Soil		1,121 mg/l

**Additional advice on limit values**

No data available

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

**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. 30 minutes, i.e. protective glove &lt;Vitoject 890&gt; made by www.kcl.de.

Splash protection: Protective gloves resistant to chemicals made off nitrile, Minimum coat thickness 0.4 mm, Permeation resistance (wear duration) &gt; 10 minutes.

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:	Light yellow	
Odour:	Similar to ammonia	
pH-Value (at 20 °C):		11

**Changes in the physical state**

Melting point/freezing point:	n.d.
Boiling point or initial boiling point and boiling range:	> 200 °C



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Sublimation point: n.a.  
Softening point: n.d.  
Flash point: > 100 °C

### Flammability

Solid/liquid: n.a.  
Gas: n.a.

### Explosive properties

The product is not explosive.

Lower explosion limits: n.d.  
Upper explosion limits: n.d.  
Auto-ignition temperature: n.d.

### Self-ignition temperature

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

Decomposition temperature: n.d.

### Oxidizing properties

Not oxidising.

Vapour pressure: 13,75 hPa  
(at 21 °C)Density (at 21 °C): 1,05 g/cm<sup>3</sup>

Bulk density: n.a.

Water solubility: Immiscible  
(at 20 °C)

### Solubility in other solvents

n.d.

Partition coefficient n-octanol/water: n.d.

Viscosity / dynamic: 185 mPa·s  
(at 25 °C)Viscosity / kinematic: > 20,5 mm<sup>2</sup>/s  
(at 40 °C)Flow time: n.d.  
(at 23 °C)

Relative vapour density: n.d.

Evaporation rate: n.d.

Solvent separation test: n.d.

Solvent content: 0 %

### 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

Reactions with acids, alkalies and oxidizing agents



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#### **10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat.  
Protect against direct sun radiation.

#### **10.5. Incompatible materials**

Oxidizing agents, Acids and bases.

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

No known hazardous decomposition products.  
Fire may produce:  
Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>)

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

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

##### **Acute toxicity**

Harmful if swallowed.  
Harmful if inhaled.  
No toxicological data available.  
ATEmix/oral: > 900 mg/kg  
ATEmix/dermal: > 2000 mg/kg  
ATEmix/inhalation: > 100 mg/l [vapour]  
ATEmix/inhalation: > 2 mg/l [dust]

##### **ATEmix calculated**

ATE (oral) 853,3 mg/kg; ATE (inhalation vapour) 18,74 mg/l; ATE (inhalation aerosol) 2,555 mg/l

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

Causes severe skin burns and eye damage.  
Causes serious eye damage.

##### **Sensitising effects**

May cause an allergic skin reaction. (3-Aminomethyl-3,5,5-trimethylcyclohexylamine; Xylylenediamine)

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

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

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

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

##### **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

### **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



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

No data available

#### **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**

Can be incinerated, when in compliance with local regulations.

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

080411 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); adhesive and sealant sludges containing organic solvents or other hazardous substances; hazardous waste

##### **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.

Packaging that cannot be cleaned should be disposed of like the product.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### **14.1. UN number:**

UN 2735

##### **14.2. UN proper shipping name:**

AMINES, LIQUID, CORROSIVE, N.O.S. (Xylylenediamine, 3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

##### **14.3. Transport hazard class(es):**

8

##### **14.4. Packing group:**

II

Hazard label:

8



Classification code:

C7

Special Provisions:

274

Limited quantity:

1 L / 30 kg

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

#### **Inland waterways transport (ADN)**

##### **14.1. UN number:**

UN 2735

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**14.2. UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Xylylenediamine, 3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** II

Hazard label: 8



Classification code: C7

Special Provisions: 274

Limited quantity: 1 L / 30 kg

Excepted quantity: E2

#### Marine transport (IMDG)

**14.1. UN number:** UN 2735

**14.2. UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Xylylendiamine, 3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** II

Hazard label: 8



Marine pollutant: Yes

Special Provisions: 274

Limited quantity: 1 L / 30 kg

Excepted quantity: E2

EmS: F-A, S-B

Segregation group: 18 - alkalis

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

**14.1. UN number:** UN 2735

**14.2. UN proper shipping name:** AMINES, LIQUID, CORROSIVE, N.O.S. (Xylylendiamine, 3-Aminomethyl-3,5,5-trimethylcyclohexylamine)

**14.3. Transport hazard class(es):** 8

**14.4. Packing group:** II

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 0.5 L

Passenger LQ: Y840

Excepted quantity: E2

IATA-packing instructions - Passenger: 851

IATA-max. quantity - Passenger: 1 L

IATA-packing instructions - Cargo: 855

IATA-max. quantity - Cargo: 30 L

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No



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#### **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

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

##### **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

#### **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 GB CLP Regulation**

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Acute Tox. 4; H332	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H302	Harmful if swallowed.
H302+H332	Harmful if swallowed or if inhaled.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361d	Suspected of damaging the unborn child.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

**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)

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