



# SÜDWEST bÖlazing

Chronic aquatic toxicity,  
Category 1

H410: Very toxic to aquatic life with long lasting effects.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word

Warning

Hazard statements

H226  
H410

Flammable liquid and vapour.  
Very toxic to aquatic life with long  
lasting effects.

Precautionary  
statements

P102  
**Prevention:**  
P210

Keep out of reach of children.  
Keep away from heat, hot surfaces,  
sparks, open flames and other ignition  
sources. No smoking.  
Avoid release to the environment.  
Wear protective gloves/ eye protection/  
face protection.  
Wear respiratory protection.

**Response:**

P303 + P361 + P353 IF ON SKIN (or hair): Take off  
immediately all contaminated clothing.  
Rinse skin with water or shower.

**Disposal:**

P501

Contents/container to be disposed of  
through approved disposal contractor or  
taken to municipal collection point.

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**SÜDWEST bölazinc****3.2 Mixtures****Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
zinc powder - zinc dust (stabilized)	7440-66-6 231-175-3 01-2119467174-37-XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 50 - < 70
Hydrocarbons, C9, aromatics	64742-95-6  01-2119455851-35-XXXX	Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H335, H336 Aquatic Chronic2; H411  Note H (Table 3.1), Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	≥ 2,5 - < 10
xylene (mixture of isomers)	1330-20-7 215-535-7 01-2119488216-32-XXXX	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	≥ 3 - < 5
zinc oxide	1314-13-2 215-222-5 01-2119463881-32-XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410	≥ 2,5 - < 10
ethylbenzene	100-41-4 202-849-4 01-2119489370-35-XXXX	Flam. Liq.2; H225 Asp. Tox.1; H304 Acute Tox.4; H332 STOT RE2; H373 Aquatic Chronic3; H412	≥ 1 - < 2,5

For explanation of abbreviations see section 16.

**SECTION 4: FIRST AID MEASURES**

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## 4.1 Description of first aid measures

General advice	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label. Keep at rest. Do NOT induce vomiting.

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

Symptoms	No information available.
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## 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically. No information available.
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media	CO <sub>2</sub> , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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Unsuitable extinguishing media	High volume water jet
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### 5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

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Nitrogen oxides (NO<sub>x</sub>)  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.

## 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Fight fire with normal precautions from a reasonable distance.

## Additional advice

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Remove all sources of ignition.  
Ensure adequate ventilation.  
Do not breathe vapour.  
Prevent unauthorized access.

### 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean with detergents. Avoid solvents.  
Clean contaminated surface thoroughly.  
Dispose of contaminated material as waste according to item 13.

### 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Comply with the statutory regulations on health and safety at work.  
Avoid formation of aerosol.  
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.  
The product should only be used in areas from which all naked lights and other sources of ignition have been

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excluded.

All metal parts of the mixing and processing equipment must be earthed.

Operators should wear antistatic footwear and clothing. No sparking tools should be used.

**Hygiene measures**

Do not breathe spray, vapour.

Take off immediately all contaminated clothing.

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling the product.

After washing hands, replenish lost skin oil by means of oily skin ointment.

When using do not eat, drink or smoke.

**7.2 Conditions for safe storage, including any incompatibilities****Requirements for storage areas and containers**

Store in original container.

Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nosmoking.

Prevent unauthorized access.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Protect from frost, heat and sunlight.

**Advice on protection against fire and explosion**

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

Take measures to prevent the build up of electrostatic charge.

**Advice on common storage**

Keep away from combustible materials.

Keep away from food, drink and animal feedingstuffs.

Keep away from oxidizing agents and strongly acid or alkaline materials.

**7.3 Specific end use(s)**

For further information, see also Technical Data Sheet for the product.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

xylene (mixture of isomers)		1330-20-7
2000/39/EC	Limit Value - eight hours	221 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	

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2000/39/EC	Short term exposure limit	442 mg/m <sup>3</sup>
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
ethylbenzene		100-41-4
2000/39/EC	Limit Value - eight hours	442 mg/m <sup>3</sup>
2000/39/EC	Limit Value - eight hours	100 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	
2000/39/EC	Short term exposure limit	884 mg/m <sup>3</sup>
2000/39/EC	Short term exposure limit	200 ppm
Additional advice:	Identifies the possibility of significant uptake through the skin Indicative	

The lists that were valid during the creation were used as basis.

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

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory - protection must be worn. Washing facilities / water for rinsing eyes and skin should be available.

**Individual protection measures, such as personal protective equipment**

a) Eye/face protection                      Safety glasses with side-shields conforming to EN166

b) Skin protection  
Hand protection                              Recommended preventive skin protection  
Before starting work, apply water-resistant skincare preparations to exposed skin areas.  
Protective gloves should be worn in case of skin contact during preparation and application.

Break through time: 480 min  
Minimum thickness: 0,4 mm  
Gloves made of nitrile rubber, e.g. KCL 730 Camatril® Velours (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent.  
Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the

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specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

## Body Protection

Preventive skin protection  
Long sleeved clothing  
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthehic fiber. All parts of the body should be washed after contact.

## c) Respiratory protection

For brief exposure or low level concentrations use a respiratory filter; for more intense or longer exposure use a self-contained respiratory protective device.  
Respiratory filter for brief exposure:  
Combination filter A-P2  
Respiratory protection complying with EN 14387.

## Environmental exposure controls

### General advice

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	liquid
Colour	various
Odour	characteristic
Odour Threshold	No data available
pH	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	136 °C
Flash point	39,2 °C
Evaporation rate	not applicable
Flammability (solid, gas)	not applicable



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Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Density	ca. 2,49 g/cm <sup>3</sup>
Solubility(ies) Water solubility	insoluble
Partition coefficient: n- octanol/water	not determined
Auto-ignition temperature	500 °C
Decomposition temperature	No data available
Viscosity Viscosity, dynamic	No data available
Viscosity, kinematic	ca. 249 mm <sup>2</sup> /s (40 °C)
Explosive properties	Not explosive In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

## 9.2 Other information

Self-ignition	not auto-flammable
Flow time	> 90 s at 20 °C Cross section: 4 mm

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

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## 10.3 Possibility of hazardous reactions

Hazardous reactions                      No dangerous reaction known under conditions of normal use.  
Vapours may form explosive mixture with air.

## 10.4 Conditions to avoid

Conditions to avoid                      Direct sources of heat.  
Strong sunlight for prolonged periods.

## 10.5 Incompatible materials

Materials to avoid                      Strong acids and strong bases  
Strong oxidizing agents

## 10.6 Hazardous decomposition products

Hazardous decomposition              No decomposition if stored and applied as directed.  
products  
Decomposition                          No data available  
temperature

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

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

Acute inhalation toxicity              Acute toxicity estimate: > 20 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity                    Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

#### **|| xylene (mixture of isomers):**

Acute inhalation toxicity              LC50 (Rat): 11 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity                    Harmful in contact with skin.

#### **|| ethylbenzene:**

Acute inhalation toxicity              Harmful if inhaled.

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## Skin corrosion/irritation

### Product:

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

### Components:

#### || Hydrocarbons, C9, aromatics:

Repeated exposure may cause skin dryness or cracking.

#### || xylene (mixture of isomers):

Causes skin irritation.

## Serious eye damage/eye irritation

### Product:

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

### Components:

#### || xylene (mixture of isomers):

Causes serious eye irritation.

## Respiratory or skin sensitisation

### Product:

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

## Germ cell mutagenicity

### Product:

Genotoxicity in vitro

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

## Carcinogenicity

### Product:

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

## Reproductive toxicity

### Product:

Effects on fertility

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

## Developmental Toxicity

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

## STOT - single exposure

### Product:

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

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**Components:****|| Hydrocarbons, C9, aromatics:**

Exposure routes Inhalation  
Assessment May cause respiratory irritation., May cause drowsiness or dizziness.

**|| xylene (mixture of isomers):**

Exposure routes Inhalation  
Assessment May cause respiratory irritation.

**STOT - repeated exposure****Product:**

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

**Components:****|| xylene (mixture of isomers):**

Assessment May cause damage to organs through prolonged or repeated exposure.

**|| ethylbenzene:**

Assessment May cause damage to organs through prolonged or repeated exposure.

**Aspiration toxicity****Product:**

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

**Components:****|| Hydrocarbons, C9, aromatics:**

May be fatal if swallowed and enters airways.

**|| xylene (mixture of isomers):**

May be fatal if swallowed and enters airways.

**|| ethylbenzene:**

May be fatal if swallowed and enters airways.

**Experience with human exposure****Product:**

General Information Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects.  
Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and



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Test Type: static test

M-Factor (Acute aquatic toxicity) 1

Toxicity to fish (Chronic toxicity) NOEC: 0,08 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic toxicity) 1

## 12.2 Persistence and degradability

### Product:

Biodegradability No data available

### Components:

#### **Hydrocarbons, C9, aromatics :**

Biodegradability Result: rapidly degradable

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation No data available

### Components:

#### **xylene (mixture of isomers) :**

Partition coefficient: n-octanol/water log Pow: > 3

#### **zinc oxide :**

Bioaccumulation Bioaccumulation is unlikely.

## 12.4 Mobility in soil

### Product:

Mobility No data available

## 12.5 Results of PBT and vPvB assessment

### Product:

Assessment This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6 Other adverse effects

### Product:

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Additional ecological information

Even small quantities emptied into the soil can affect the quality of drinking water. Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system. Very toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product	<p>The user is responsible for proper coding and marking of any waste.</p> <p>When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste"</p> <p>Partial and residual quantities can be reused.</p> <p>Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.</p>
Contaminated packaging	<p>Empty packaging should be recycled through disposal systems.</p>
Waste key for the unused product	<p>08 01 11* Paint and varnish waste containing organic solvents or other dangerous substances</p> <p>(* ) hazardous waste in terms of the European directive 91/689/EEC</p>

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR	1263
IMDG	1263
IATA	1263

### 14.2 UN proper shipping name

ADR	PAINT
IMDG	PAINT

(zinc powder - zinc dust (stabilized), Hydrocarbons, C9,

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aromatics)

IATA Paint

**14.3 Transport hazard class(es)**

ADR 3

IMDG 3

IATA 3

**14.4 Packing group****ADR**

Packing group III

Classification Code F1

Hazard Identification  
Number 30

Labels 3

Tunnel restriction code (D/E)

**IMDG**

Packaging group III

Labels 3

EmS number F-E, S-E**IATA**

Packaging group III

Labels 3

**14.5 Environmental hazards****ADR**

Environmentally hazardous yes

**IMDG**

Marine pollutant yes

**14.6 Special precautions for user**



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Remarks This information is not available.

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

Remarks Not applicable

## Additional advice

ADR ADR: Packages < 5 l: No dangerous goods (ADR 2.2.3.1.5).  
IMDG IMDG: Packages < 5 l: No dangerous goods (IMDG 2.3.2.5).

## SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU 15,1 %  
375 g/l

VOC  
Directive 2004/42/EC 15,1 %  
376,04 g/l

EU limit value for this product (cat. A/i) :500 g/l  
This product contains max500 g/lVOC.

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

Other regulations Comply with the statutory regulations on health and safety at work.

Take note of Dir 94/33/EC on the protection of young people at work.

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Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

## 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

### Full text of H-Statements

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.
H319	: Causes serious eye irritation.
H332	: Harmful if inhaled.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
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.
H411	: Toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Acute aquatic toxicity
Aquatic Chronic	: Chronic aquatic toxicity
Asp. Tox.	: Aspiration hazard
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Skin Irrit.	: Skin irritation
STOT RE	: Specific target organ toxicity - repeated exposure
STOT SE	: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP -

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Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

## Further information

Other information

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing  
MSDS  
REG\_EU / EN

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