valresa

**480055 - Concentrated Stain 055 Brown**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** 480055 - Concentrated Stain 055 Brown

**Other means of identification:**

**UFI:** 0190-10RS-3007-9Y6E

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

Relevant uses: Wood stain. For professional users/industrial user only.

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

Valresa Coatings, S.A.
Pol. Ind. Reva S-13 Avda. dels Gremis s/n
46190 Riba-roja de Turia Valencia - Spain
Phone: +34 961669560
safety@valresa.com
www.valresa.com

**1.4 Emergency telephone number:** +34 961669560 (Only available during office hours)

## SECTION 2: HAZARDS IDENTIFICATION **

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Eye Irrit. 2: Eye irritation, Category 2, H319
Flam. Liq. 2: Flammable liquids, Category 2, H225
Skin Sens. 1B: Sensitisation, skin, Category 1B, H317
STOT SE 3: Specific toxicity causing drowsiness and dizziness, single exposure, Category 3, H336

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

**Danger**



**Hazard statements:**

H225 - Highly flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.

**Precautionary statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/face protection/protective clothing/respiratory protection/protective footwear.
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.
P370+P378: In case of fire: Use Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC) to extinguish.
P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

**Supplementary information:**

EUH066: Repeated exposure may cause skin dryness or cracking.
Contains C.I.Acid Black 172, Sodium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate (1-).

**Substances that contribute to the classification**

1-methoxy-2-propanol; propan-2-ol; acetone; C.I.Acid Brown 355

**UFI:** 0190-10RS-3007-9Y6E

*** Changes with regards to the previous version*

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## SECTION 2: HAZARDS IDENTIFICATION ** (continued)

**2.3 Other hazards:**

Product does not meet PBT/vPvB criteria
Endocrine-disrupting properties: The product does not meet the criteria.

*** Changes with regards to the previous version*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.1 Substance:**

Non-applicable

**3.2 Mixture:**

**Chemical description:** Mixture composed of colourants in solvents

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification | Chemical name/Classification | | Concentration |
|---|---|---|---|
| CAS: 107-98-2<br>EC: 203-539-1<br>Index: 603-064-00-3<br>REACH: 01-2119457435-35-XXXX | **1-methoxy-2-propanol**(1) | ATP ATP01 | **25 - <50 %** |
| | Regulation 1272/2008 | Flam. Liq. 3: H226; STOT SE 3: H336 - Warning | |
| CAS: 67-63-0<br>EC: 200-661-7<br>Index: 603-117-00-0<br>REACH: 01-2119457558-25-XXXX | **propan-2-ol**(1) | ATP CLP00 | **25 - <50 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336 - Danger | |
| CAS: 67-64-1<br>EC: 200-662-2<br>Index: 606-001-00-8<br>REACH: 01-2119471330-49-XXXX | **acetone**(1) | ATP CLP00 | **10 - <25 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger | |
| CAS: 112-34-5<br>EC: 203-961-6<br>Index: 603-096-00-8<br>REACH: 01-2119475104-44-XXXX | **2-(2-butoxyethoxy)ethanol**(1) | ATP CLP00 | **0,25 - <2,5 %** |
| | Regulation 1272/2008 | Eye Irrit. 2: H319 - Warning | |
| CAS: 84989-26-4<br>EC: 284-915-2<br>Index: Non-applicable<br>REACH: 01-2120077343-57-XXXX | **C.I.Acid Brown 355**(1) | Self-classified | **0,25 - <2,5 %** |
| | Regulation 1272/2008 | Aquatic Chronic 3: H412; Skin Sens. 1B: H317 - Warning | |
| CAS: 57693-14-8<br>EC: 260-906-9<br>Index: Non-applicable<br>REACH: 01-2119969289-17-XXXX | **C.I.Acid Black 172**(1) | Self-classified | **0,25 - <2,5 %** |
| | Regulation 1272/2008 | Aquatic Chronic 2: H411; Eye Irrit. 2: H319; Skin Sens. 1: H317 - Warning | |
| CAS: 72496-88-9<br>EC: 276-701-2<br>Index: Non-applicable<br>REACH: 01-2120071400-71-XXXX | **Sodium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-)**(1) | Self-classified | **0,1 - <0,25 %** |
| | Regulation 1272/2008 | Aquatic Chronic 3: H412; Skin Sens. 1: H317 - Warning | |

(1) Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2020/878

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

## SECTION 4: FIRST AID MEASURES

**4.1 Description of first aid measures:**

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

**By inhalation:**

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

**By skin contact:**

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## SECTION 4: FIRST AID MEASURES (continued)

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

In case of consumption, seek immediate medical assistance showing the SDS for the product.

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

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

Not relevant

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

**Suitable extinguishing media:**

Foam extinguisher (AB), Dry Chemical Powder (ABC) Fire Extinguisher, Carbon dioxide extinguisher (BC)

**Unsuitable extinguishing media:**

Water jet

**5.2 Special hazards arising from the substance or mixture:**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

**For non-emergency personnel:**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

**For emergency responders:**

Wear protective equipment. Keep unprotected persons away. See section 8.

**6.2 Environmental precautions:**

It is recommended to avoid environmental spillage of both the product and its container.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES (continued)

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- General precautions for safe use

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

**7.2 Conditions for safe storage, including any incompatibilities:**

A.- Specific storage requirements

Minimum Temp.: 5 ºC

Maximum Temp.: 35 ºC

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

**7.3 Specific end use(s):**

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1 Control parameters:**

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):

Directive (EU) 2000/39, Directive 2004/37/EC,Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

| Identification | Occupational exposure limits | | |
|---|---|---|---|
| 1-methoxy-2-propanol (1) | IOELV (8h) | 100 ppm | 375 mg/m³ |
| CAS: 107-98-2 EC: 203-539-1 | IOELV (STEL) | 150 ppm | 568 mg/m³ |
| 2-(2-butoxyethoxy)ethanol | IOELV (8h) | 10 ppm | 67,5 mg/m³ |
| CAS: 112-34-5 EC: 203-961-6 | IOELV (STEL) | 15 ppm | 101,2 mg/m³ |
| acetone | IOELV (8h) | 500 ppm | 1210 mg/m³ |
| CAS: 67-64-1 EC: 200-662-2 | IOELV (STEL) | | |

(1) Skin

**DNEL (Workers):**

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 1-methoxy-2-propanol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 107-98-2 | Dermal | Not relevant | Not relevant | 183 mg/kg | Not relevant |
| EC: 203-539-1 | Inhalation | 553,5 mg/m³ | 553,5 mg/m³ | 369 mg/m³ | Not relevant |
| propan-2-ol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 67-63-0 | Dermal | Not relevant | Not relevant | 888 mg/kg | Not relevant |
| EC: 200-661-7 | Inhalation | Not relevant | Not relevant | 500 mg/m³ | Not relevant |
| acetone | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 67-64-1 | Dermal | Not relevant | Not relevant | 186 mg/kg | Not relevant |
| EC: 200-662-2 | Inhalation | Not relevant | 2420 mg/m³ | 1210 mg/m³ | Not relevant |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 83 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 101,2 mg/m³ | 67,5 mg/m³ | 67,5 mg/m³ |
| C.I.Acid Brown 355 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 84989-26-4 | Dermal | Not relevant | Not relevant | 0,36 mg/kg | Not relevant |
| EC: 284-915-2 | Inhalation | Not relevant | Not relevant | 0,51 mg/m³ | Not relevant |
| C.I.Acid Black 172 | Oral | Not relevant | Not relevant | Not relevant | Not relevant |
| CAS: 57693-14-8 | Dermal | Not relevant | Not relevant | 27,78 mg/kg | Not relevant |
| EC: 260-906-9 | Inhalation | 24,5 mg/m³ | Not relevant | 24,5 mg/m³ | Not relevant |

**DNEL (General population):**

| Identification | | Short exposure | | Long exposure | |
|---|---|---|---|---|---|
| | | Systemic | Local | Systemic | Local |
| 1-methoxy-2-propanol | Oral | Not relevant | Not relevant | 33 mg/kg | Not relevant |
| CAS: 107-98-2 | Dermal | Not relevant | Not relevant | 78 mg/kg | Not relevant |
| EC: 203-539-1 | Inhalation | Not relevant | Not relevant | 43,9 mg/m³ | Not relevant |
| propan-2-ol | Oral | Not relevant | Not relevant | 26 mg/kg | Not relevant |
| CAS: 67-63-0 | Dermal | Not relevant | Not relevant | 319 mg/kg | Not relevant |
| EC: 200-661-7 | Inhalation | Not relevant | Not relevant | 89 mg/m³ | Not relevant |
| acetone | Oral | Not relevant | Not relevant | 62 mg/kg | Not relevant |
| CAS: 67-64-1 | Dermal | Not relevant | Not relevant | 62 mg/kg | Not relevant |
| EC: 200-662-2 | Inhalation | Not relevant | Not relevant | 200 mg/m³ | Not relevant |
| 2-(2-butoxyethoxy)ethanol | Oral | Not relevant | Not relevant | 5 mg/kg | Not relevant |
| CAS: 112-34-5 | Dermal | Not relevant | Not relevant | 50 mg/kg | Not relevant |
| EC: 203-961-6 | Inhalation | Not relevant | 60,7 mg/m³ | 40,5 mg/m³ | 40,5 mg/m³ |
| C.I.Acid Brown 355 | Oral | Not relevant | Not relevant | 0,04 mg/kg | Not relevant |
| CAS: 84989-26-4 | Dermal | Not relevant | Not relevant | 0,18 mg/kg | Not relevant |
| EC: 284-915-2 | Inhalation | Not relevant | Not relevant | 0,12 mg/m³ | Not relevant |
| C.I.Acid Black 172 | Oral | Not relevant | Not relevant | 8,33 mg/kg | Not relevant |
| CAS: 57693-14-8 | Dermal | Not relevant | Not relevant | 16,7 mg/kg | Not relevant |
| EC: 260-906-9 | Inhalation | Not relevant | Not relevant | 14,7 mg/m³ | Not relevant |

**PNEC:**

| Identification | | | | |
|---|---|---|---|---|
| 1-methoxy-2-propanol | STP | 100 mg/L | Fresh water | 10 mg/L |
| CAS: 107-98-2 | Soil | 4,59 mg/kg | Marine water | 1 mg/L |
| EC: 203-539-1 | Intermittent | 100 mg/L | Sediment (Fresh water) | 52,3 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 5,2 mg/kg |
| propan-2-ol | STP | 2251 mg/L | Fresh water | 140,9 mg/L |
| CAS: 67-63-0 | Soil | 28 mg/kg | Marine water | 140,9 mg/L |
| EC: 200-661-7 | Intermittent | 140,9 mg/L | Sediment (Fresh water) | 552 mg/kg |
| | Oral | 0,16 g/kg | Sediment (Marine water) | 552 mg/kg |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Identification | | | | |
|---|---|---|---|---|
| acetone | STP | 100 mg/L | Fresh water | 10,6 mg/L |
| CAS: 67-64-1 | Soil | 29,5 mg/kg | Marine water | 1,06 mg/L |
| EC: 200-662-2 | Intermittent | 21 mg/L | Sediment (Fresh water) | 30,4 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 3,04 mg/kg |
| 2-(2-butoxyethoxy)ethanol | STP | 200 mg/L | Fresh water | 1,1 mg/L |
| CAS: 112-34-5 | Soil | 0,32 mg/kg | Marine water | 0,11 mg/L |
| EC: 203-961-6 | Intermittent | 11 mg/L | Sediment (Fresh water) | 4,4 mg/kg |
| | Oral | 0,056 g/kg | Sediment (Marine water) | 0,44 mg/kg |
| C.I.Acid Brown 355 | STP | 10 mg/L | Fresh water | 0,01 mg/L |
| CAS: 84989-26-4 | Soil | 0,002 mg/kg | Marine water | 0,001 mg/L |
| EC: 284-915-2 | Intermittent | 0,1 mg/L | Sediment (Fresh water) | 0,038 mg/kg |
| | Oral | Not relevant | Sediment (Marine water) | 0,004 mg/kg |
| C.I.Acid Black 172 | STP | 0,781 mg/L | Fresh water | 0,003 mg/L |
| CAS: 57693-14-8 | Soil | 600 mg/kg | Marine water | 0,0003 mg/L |
| EC: 260-906-9 | Intermittent | 0,03 mg/L | Sediment (Fresh water) | 3000 mg/kg |
| | Oral | 0,0333 g/kg | Sediment (Marine water) | 300 mg/kg |

**8.2 Exposure controls:**

A.- Individual protection measures, such as personal protective equipment

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory respiratory tract protection | Filter mask for gases, vapours and particles | CE CAT III | EN 149:2001+A1:2009<br>EN 405:2002+A1:2010<br>EN ISO 136:1998 | Replace when an increase in resistence to breathing is observed and/or a smell or taste of the contaminant is detected. |

C.- Specific protection for the hands

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory hand protection | Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm) | CE CAT III | EN ISO 21420:2020 | Replace the gloves at any sign of deterioration. |

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory face protection | Face shield | CE CAT II | EN 166:2002<br>EN 167:2002<br>EN 168:2002<br>EN ISO 4007:2018 | Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing. |

E.- Body protection

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory complete body protection | Disposable clothing for protection against chemical risks, with antistatic and fireproof properties | CE CAT III | EN 1149-1,2,3<br>EN 13034:2005+A1:2009<br>EN ISO 13982-1:2004/A1:2010<br>EN ISO 6529:2013<br>EN ISO 6530:2005<br>EN ISO 13688:2013<br>EN 464:1994 | For professional use only. Clean periodically according to the manufacturer´s instructions. |

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

| Pictogram | PPE | Labelling | CEN Standard | Remarks |
|---|---|---|---|---|
|  Mandatory foot protection | Safety footwear for protection against chemical risk, with antistatic and heat resistant properties | CE CAT III | EN ISO 13287:2020<br>EN ISO 20345:2011<br>EN 13832-1:2019 | Replace boots at any sign of deterioration. |

F.- Additional emergency measures

| Emergency measure | Standards | Emergency measure | Standards |
|---|---|---|---|
|  Emergency shower | ANSI Z358-1<br>ISO 3864-1:2011, ISO 3864-4:2011 |  Eyewash stations | DIN 12 899<br>ISO 3864-1:2011, ISO 3864-4:2011 |

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

**Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

| | |
|---|---|
| V.O.C. (Supply): | 90,18 % weight |
| V.O.C. density at 25 ºC: | 769,76 kg/m³ (769,76 g/L) |
| Average carbon number: | 3,38 |
| Average molecular weight: | 70,94 g/mol |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

| | |
|---|---|
| Physical state at 20 ºC: | Liquid |
| Appearance: | Not available |
| Colour: | Sepia |
| Odour: | Not available |
| Odour threshold: | Not relevant * |

**Volatility:**

| | |
|---|---|
| Boiling point at atmospheric pressure: | 84 ºC |
| Vapour pressure at 25 ºC: | 12514 Pa |
| Vapour pressure at 50 ºC: | 36786,59 Pa (36,79 kPa) |
| Evaporation rate at 25 ºC: | Not relevant * |

**Product description:**

| | |
|---|---|
| Density at 25 ºC: | 853,5 kg/m³ |
| Relative density at 25 ºC: | 0,854 |
| Dynamic viscosity at 25 ºC: | Not relevant * |
| Kinematic viscosity at 25 ºC: | Not relevant * |
| Kinematic viscosity at 40 ºC: | Not relevant * |
| Concentration: | Not relevant * |
| pH: | Not relevant * |
| Vapour density at 25 ºC: | Not relevant * |
| Partition coefficient n-octanol/water 25 ºC: | Not relevant * |
| Solubility in water at 25 ºC: | Not relevant * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

| | |
|---|---|
| Solubility properties: | Not relevant * |
| Decomposition temperature: | Not relevant * |
| Melting point/freezing point: | Not relevant * |
| **Flammability:** | |
| Flash Point: | 8 ºC |
| Flammability (solid, gas): | Not relevant * |
| Autoignition temperature: | 204 ºC |
| Lower flammability limit: | Not available |
| Upper flammability limit: | Not available |
| **Particle characteristics:** | |
| Median equivalent diameter: | Non-applicable |

**9.2 Other information:**

**Information with regard to physical hazard classes:**

| | |
|---|---|
| Explosive properties: | Not relevant * |
| Oxidising properties: | Not relevant * |
| Corrosive to metals: | Not relevant * |
| Heat of combustion: | Not relevant * |
| Aerosols-total percentage (by mass) of flammable components: | Not relevant * |
| **Other safety characteristics:** | |
| Surface tension at 25 ºC: | Not relevant * |
| Refraction index: | Not relevant * |

*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

**10.1 Reactivity:**

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

**10.2 Chemical stability:**

Chemically stable under the indicated conditions of storage, handling and use.

**10.3 Possibility of hazardous reactions:**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight | Humidity |
|---|---|---|---|---|
| Not applicable | Not applicable | Risk of combustion | Avoid direct impact | Not applicable |

**10.5 Incompatible materials:**

| Acids | Water | Oxidising materials | Combustible materials | Others |
|---|---|---|---|---|
| Avoid strong acids | Not applicable | Avoid direct impact | Not applicable | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide ($CO_2$), carbon monoxide and other organic compounds.

## SECTION 11: TOXICOLOGICAL INFORMATION

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:**

The experimental information related to the toxicological properties of the product itself is not available

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Contains glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health .

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
  IARC: Sodium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-) (2B); propan-2-ol (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
- Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

F- Specific target organ toxicity (STOT) - single exposure:

Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

**Other information:**

Not relevant

**Specific toxicology information on the substances:**

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| C.I.Acid Brown 355 | LD50 oral | 5792 mg/kg | Rat |
| CAS: 84989-26-4 | LD50 dermal | >5000 mg/kg | Rat |
| EC: 284-915-2 | LC50 inhalation | >5 mg/L | |
| 1-methoxy-2-propanol | LD50 oral | >2000 mg/kg | |
| CAS: 107-98-2 | LD50 dermal | >2000 mg/kg | |
| EC: 203-539-1 | LC50 inhalation | >20 mg/L | |

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## SECTION 11: TOXICOLOGICAL INFORMATION (continued)

| Identification | Acute toxicity | | Genus |
|---|---|---|---|
| 2-(2-butoxyethoxy)ethanol | LD50 oral | >2000 mg/kg | |
| CAS: 112-34-5 | LD50 dermal | >2000 mg/kg | |
| EC: 203-961-6 | LC50 inhalation | >20 mg/L | |
| propan-2-ol | LD50 oral | 5280 mg/kg | Rat |
| CAS: 67-63-0 | LD50 dermal | 12800 mg/kg | Rat |
| EC: 200-661-7 | LC50 inhalation | 72,6 mg/L (4 h) | Rat |
| acetone | LD50 oral | 5800 mg/kg | Rat |
| CAS: 67-64-1 | LD50 dermal | 7426 mg/kg | Rabbit |
| EC: 200-662-2 | LC50 inhalation | 76 mg/L (4 h) | Rat |
| C.I.Acid Black 172 | LD50 oral | >2000 mg/kg | |
| CAS: 57693-14-8 | LD50 dermal | >2000 mg/kg | |
| EC: 260-906-9 | LC50 inhalation | >5 mg/L | |
| Sodium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-) | LD50 oral | 10000 mg/kg | Rat |
| CAS: 72496-88-9 | LD50 dermal | >2000 mg/kg | |
| EC: 276-701-2 | LC50 inhalation | >5 mg/L | |

**11.2 Information on other hazards:**

**Endocrine disrupting properties**

Endocrine-disrupting properties: The product does not meet the criteria.

**Other information**

Not relevant

## SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

**12.1 Toxicity:**

**Acute toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| 1-methoxy-2-propanol | LC50 | 20800 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 107-98-2 | EC50 | 23300 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 203-539-1 | EC50 | 1000 mg/L (168 h) | Selenastrum capricornutum | Algae |
| propan-2-ol | LC50 | 9640 mg/L (96 h) | Pimephales promelas | Fish |
| CAS: 67-63-0 | EC50 | 13299 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 200-661-7 | EC50 | 1000 mg/L (72 h) | Scenedesmus subspicatus | Algae |
| acetone | LC50 | 5540 mg/L (96 h) | Oncorhynchus mykiss | Fish |
| CAS: 67-64-1 | EC50 | 8800 mg/L (48 h) | Daphnia pulex | Crustacean |
| EC: 200-662-2 | EC50 | 3400 mg/L (48 h) | Chlorella pyrenoidosa | Algae |
| 2-(2-butoxyethoxy)ethanol | LC50 | 1300 mg/L (96 h) | Lepomis macrochirus | Fish |
| CAS: 112-34-5 | EC50 | 2850 mg/L (24 h) | Daphnia magna | Crustacean |
| EC: 203-961-6 | EC50 | 53 mg/L (192 h) | Microcystis aeruginosa | Algae |
| C.I.Acid Brown 355 | LC50 | 40 mg/L (96 h) | Danio rerio | Fish |
| CAS: 84989-26-4 | EC50 | 100 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 284-915-2 | EC50 | 22,7 mg/L (168 h) | Lemna minor | Algae |
| C.I.Acid Black 172 | LC50 | 3 mg/L (96 h) | N/A | Fish |
| CAS: 57693-14-8 | EC50 | 79 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 260-906-9 | EC50 | Not relevant | | |
| Sodium bis[2-[[5-(aminosulphonyl)-2-hydroxyphenyl]azo]-3-oxo-N-phenylbutyramidato(2-)]cobaltate(1-) | LC50 | 42 mg/L (96 h) | Brachydanio rerio | Fish |
| CAS: 72496-88-9 | EC50 | 55 mg/L (48 h) | Daphnia magna | Crustacean |
| EC: 276-701-2 | EC50 | 32 mg/L (96 h) | Scenedesmus subspicatus | Algae |

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**Chronic toxicity:**

| Identification | Concentration | | Species | Genus |
|---|---|---|---|---|
| acetone | NOEC | Not relevant | | |
| CAS: 67-64-1 EC: 200-662-2 | NOEC | 2212 mg/L | Daphnia magna | Crustacean |

**12.2 Persistence and degradability:**

**Substance-specific information:**

| Identification | Degradability | | Biodegradability | |
|---|---|---|---|---|
| 1-methoxy-2-propanol | BOD5 | Not relevant | Concentration | 100 mg/L |
| CAS: 107-98-2 | COD | Not relevant | Period | 28 days |
| EC: 203-539-1 | BOD5/COD | Not relevant | % Biodegradable | 90 % |
| propan-2-ol | BOD5 | 1,19 g O2/g | Concentration | 100 mg/L |
| CAS: 67-63-0 | COD | 2,23 g O2/g | Period | 14 days |
| EC: 200-661-7 | BOD5/COD | 0,53 | % Biodegradable | 86 % |
| acetone | BOD5 | Not relevant | Concentration | 100 mg/L |
| CAS: 67-64-1 | COD | Not relevant | Period | 28 days |
| EC: 200-662-2 | BOD5/COD | Not relevant | % Biodegradable | 96 % |
| 2-(2-butoxyethoxy)ethanol | BOD5 | 0,25 g O2/g | Concentration | 100 mg/L |
| CAS: 112-34-5 | COD | 2,08 g O2/g | Period | 28 days |
| EC: 203-961-6 | BOD5/COD | 0,12 | % Biodegradable | 92 % |
| C.I.Acid Black 172 | BOD5 | Not relevant | Concentration | Not relevant |
| CAS: 57693-14-8 | COD | Not relevant | Period | 28 days |
| EC: 260-906-9 | BOD5/COD | Not relevant | % Biodegradable | 68 % |

**12.3 Bioaccumulative potential:**

**Substance-specific information:**

| Identification | Bioaccumulation potential | |
|---|---|---|
| 1-methoxy-2-propanol | BCF | 3 |
| CAS: 107-98-2 | Pow Log | -0.44 |
| EC: 203-539-1 | Potential | Low |
| propan-2-ol | BCF | 3 |
| CAS: 67-63-0 | Pow Log | 0.05 |
| EC: 200-661-7 | Potential | Low |
| acetone | BCF | 1 |
| CAS: 67-64-1 | Pow Log | -0.24 |
| EC: 200-662-2 | Potential | Low |
| 2-(2-butoxyethoxy)ethanol | BCF | 0.46 |
| CAS: 112-34-5 | Pow Log | 0.56 |
| EC: 203-961-6 | Potential | Low |

**12.4 Mobility in soil:**

| Identification | Absorption/desorption | | Volatility | |
|---|---|---|---|---|
| propan-2-ol | Koc | 1.5 | Henry | 8,207E-1 Pa·m³/mol |
| CAS: 67-63-0 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-661-7 | Surface tension | 2,24E-2 N/m (25 ºC) | Moist soil | Yes |
| acetone | Koc | 1 | Henry | 2,93 Pa·m³/mol |
| CAS: 67-64-1 | Conclusion | Very High | Dry soil | Yes |
| EC: 200-662-2 | Surface tension | 2,304E-2 N/m (25 ºC) | Moist soil | Yes |
| 2-(2-butoxyethoxy)ethanol | Koc | 48 | Henry | 7,2E-9 Pa·m³/mol |
| CAS: 112-34-5 | Conclusion | Very High | Dry soil | No |
| EC: 203-961-6 | Surface tension | 3,395E-2 N/m (25 ºC) | Moist soil | No |

**12.5 Results of PBT and vPvB assessment:**

Product does not meet PBT/vPvB criteria

**12.6 Endocrine disrupting properties:**

Endocrine-disrupting properties: The product does not meet the criteria.

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## SECTION 12: ECOLOGICAL INFORMATION (continued)

**12.7 Other adverse effects:**

Not described

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1 Waste treatment methods:**

| Code | Description | Waste class (Regulation (EU) No 1357/2014) |
|---|---|---|
| 08 01 11* | waste paint and varnish containing organic solvents or other hazardous substances | Hazardous |

**Type of waste (Regulation (EU) No 1357/2014):**

HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant — skin irritation and eye damage

**Waste management (disposal and evaluation):**

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See paragraph 6.2.

**Regulations related to waste management:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION

**Transport of dangerous goods by land:**

With regard to ADR 2023 and RID 2023:




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 163, 367, 640D, 650 |
| | Tunnel restriction code: | D/E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

**Transport of dangerous goods by sea:**

With regard to IMDG 41-22:

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## SECTION 14: TRANSPORT INFORMATION (continued)




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Marine pollutant:** | No |
| **14.6** | **Special precautions for user** | |
| | Special regulations: | 367, 163 |
| | EmS Codes: | F-E, S-E |
| | Physico-Chemical properties: | see section 9 |
| | Limited quantities: | 5 L |
| | Segregation group: | Not relevant |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2024:




| | | |
|---|---|---|
| **14.1** | **UN number or ID number:** | UN1263 |
| **14.2** | **UN proper shipping name:** | PAINT |
| **14.3** | **Transport hazard class(es):** | 3 |
| | Labels: | 3 |
| **14.4** | **Packing group:** | II |
| **14.5** | **Environmental hazards:** | No |
| **14.6** | **Special precautions for user** | |
| | Physico-Chemical properties: | see section 9 |
| **14.7** | **Maritime transport in bulk according to IMO instruments:** | Not relevant |

## SECTION 15: REGULATORY INFORMATION

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

- Article 95, REGULATION (EU) No 528/2012: *propan-2-ol (67-63-0) - PT: (1,2,4)*
- Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Not relevant
- Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Not relevant
- REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Not relevant
- Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Not relevant

**Seveso III:**

| Section | Description | Lower-tier requirements | Upper-tier requirements |
|---|---|---|---|
| P5c | FLAMMABLE LIQUIDS | 5000 | 50000 |

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

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## SECTION 15: REGULATORY INFORMATION (continued)

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.
Shall not be used in:
—ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
—tricks and jokes,
—games for one or more participants, or any article intended to be used as such, even with ornamental aspects.
Contains C.I.Acid Brown 355. Azodyes which, by reductive cleavage of one or more azo groups, may release one or more of the aromatic amines listed in Appendix 8, in detectable concentrations, i.e. above 30 mg/kg (0,003 % by weight) in the articles or in the dyed parts thereof, according to the testing methods listed in Appendix 10, shall not be used, in textile and leather articles which may come into direct and prolonged contact with the human skin or oral cavity, such as:
— clothing, bedding, towels, hairpieces, wigs, hats, nappies and other sanitary items, sleeping bags,
— footwear, gloves, wristwatch straps, handbags, purses/wallets, briefcases, chair covers, purses worn round the neck,
— textile or leather toys and toys which include textile or leather garments,
— yarn and fabrics intended for use by the final consumer.

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: OTHER INFORMATION **

**Legislation related to safety data sheets:**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Substances that contribute to the classification (SECTION 2):
- New declared substances
  C.I.Acid Brown 355 (84989-26-4)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):
- Hazard statements
- Supplementary information

**Texts of the legislative phrases mentioned in section 2:**

H317: May cause an allergic skin reaction.
H336: May cause drowsiness or dizziness.
H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Flam. Liq. 2: H225 - Highly flammable liquid and vapour.
Flam. Liq. 3: H226 - Flammable liquid and vapour.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT SE 3: H336 - May cause drowsiness or dizziness.

**Classification procedure:**

*** Changes with regards to the previous version*

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## SECTION 16: OTHER INFORMATION ** (continued)

Skin Sens. 1B: Calculation method
STOT SE 3: Calculation method
Flam. Liq. 2: Calculation method (2.6.4.3)
Eye Irrit. 2: Calculation method

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

http://echa.europa.eu
http://eur-lex.europa.eu

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
LC50: Lethal Concentration 50
EC50: Effective concentration 50
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
UFI: unique formula identifier
IARC: International Agency for Research on Cancer

*** Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -