(in accordance with Regulation (EU) 2015/830)

## **Arcocem Metal Bronze 200**



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

## 1.1 Product identifier.

Product Name: Arcocem Metal Bronze 200

1.2 Relevant identified uses of the mixture and uses advised against.

Not available.

#### Uses advised against:

Uses other than those recommended.

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

Company: **Grupo Negocios PO, S.L.U.**Address: Plaza Rojas Clemente nº 17 bajo izqdo.

City: Valencia Province: Valencia

Telephone: 00 34 963 925 989
E-mail: info@topciment.com
Web: www.topciment.com

1.4 Emergency telephone number: 00 34 661 557 242 (Available 24 hours)

## **SECTION 2: HAZARDS IDENTIFICATION.**

## 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008: Skin Sens. 1: May cause an allergic skin reaction.

## 2.2 Label elements.

## Labelling in accordance with Regulation (EU) No 1272/2008:

Pictograms:



#### Signal Word:

# Warning H statements:

H317 May cause an allergic skin reaction.

P statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 In case of skin contact, wash with plenty of soap and water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Delete the contents and the container according to the national provisions relating to waste processing.

EUH statements:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

Restricted to professional users.

Contains:

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mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1),mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

## 2.3 Other hazards.

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS.

#### 3.1 Substances.

Not Applicable.

#### 3.2 Mixtures.

Substances posing a danger to health or the environment in accordance with the Regulation (EC) No. 1272/2008, assigned a Community exposure limit in the workplace, and classified as PBT/vPvB or included in the Candidate List:

			(*)Classification No 127	- Regulation (EC) 2/2008
Identifiers	Name	Concentrate	Classification	specific concentration limit
Index No: 013-002- 00-1 CAS No: 7429-90-5 EC No: 231-072-3 Registration No: 01- 2119529243-45-XXXX	[1] aluminium powder (stabilised)	0 - 25 %	Flam. Sol. 1, H228 - Water- react. 2, H261	-
Index No: 613-167- 00-5 CAS No: 55965-84-9	mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1),mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	0.0015 - 0.06 %	Acute Tox. 3 *, H311 - Acute Tox. 3 *, H331 - Acute Tox. 3 *, H301 - Aquatic Acute 1, H400 - Aquatic Chronic 1, H410 - Skin Corr. 1B, H314 - Skin Sens. 1, H317	Skin Corr. 1B, H314: C ≥ 0,6 % Skin Irrit. 2, H315: 0,06 % ≤ C < 0,6 % Eye Irrit. 2, H319: 0,06 % ≤ C < 0,6 % Skin Sens. 1, H317: C ≥ 0,0015 %
Index No: 605-001- 00-5 CAS No: 50-00-0 EC No: 200-001-8 Registration No: 01- 2119488953-20-XXXX	[1] formaldehyde	0 - 0.1 %	Acute Tox. 3 *, H311 - Acute Tox. 3 *, H331 - Acute Tox. 3 *, H301 - Carc. 1B, H350 - Muta. 2, H341 - Skin Corr. 1B, H314 - Skin Sens. 1, H317	Skin Corr. 1B, H314: C ≥25 % Skin Irrit. 2, H315: 5 % ≤ C < 25 % Eye Irrit. 2, H319: 5 % ≤ C < 25 % STOT SE 3, H335: C ≥ 5 % Skin Sens. 1, H317: C ≥ 0,2

<sup>(\*)</sup> The complete text of the H phrases is given in section 16 of this Safety Data Sheet.

## **SECTION 4: FIRST AID MEASURES.**

## 4.1 Description of first aid measures.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

<sup>\*</sup> See Regulation (EC) No. 1272/2008, Annex VI, section 1.2.

<sup>[1]</sup> Substance with a Community workplace exposure limit (see section 8.1).

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#### **Inhalation**

Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration. Do not administer anything orally. If unconscious, place them in a suitable position and seek medical assistance.

#### Eve contact.

If wearing contact lenses, remove them. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance.

#### Skin contact.

Remove contaminated clothing. Wash skin vigorously with water and soap or a suitable skin cleaner. **NEVER** use solvents or thinners.

#### Ingestion.

If accidentally ingested, seek immediate medical attention. Keep calm. NEVER induce vomiting.

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

Irritant Product, repeated or prolonged contact with skin or mucous membranes can cause redness, blisters or dermatitis, inhalation of spray mist or particles in suspension may cause irritation of the respiratory tract, some symptoms may not be immediate. Can cause allergic reactions.

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

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

## **SECTION 5: FIREFIGHTING MEASURES.**

The product does not present any particular risk in case of fire.

#### 5.1 Extinguishing media.

#### Recommended extinguishing methods.

Extinguisher powder or  $CO_2$ . In case of more serious fires, also alcohol-resistant foam and water spray. Do not use a direct stream of water to extinguish.

## 5.2 Special hazards arising from the mixture.

#### Special risks.

Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.

## 5.3 Advice for firefighters.

Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.

## Fire protection equipment.

According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES.**

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

For exposure control and individual protection measures, see section 8.

#### 6.2 Environmental precautions.

Prevent the contamination of drains, surface or subterranean waters, and the ground.

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

Pick up the spill with non-combustible absorbent materials (soil, sand, vermiculite, diatomite, etc.). Pour the product and the absorbent in an appropriate container. The contaminated area should be immediately cleaned with an appropriate decontaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.

## 6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

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## **SECTION 7: HANDLING AND STORAGE.**

## 7.1 Precautions for safe handling.

For personal protection, see section 8. Never use pressure to empty the containers. They are not pressure-resistant containers. In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

Keep the product in containers made of a material identical to the original.

#### 7.2 Conditions for safe storage, including any incompatibilities.

Store according to local legislation. Observe indications on the label. Store the containers between 5 and 35° C, in a dry and well-ventilated place, far from sources of heat and direct solar light. Keep far away from ignition points. Keep away from oxidising agents and from highly acidic or alkaline materials. Do not smoke. Prevent the entry of non-authorised persons. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

## 7.3 Specific end use(s).

For professional use.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m³
aluminium powder (stabilised)	7429-90-5	United Kingdom [1]	Eight hours		10 (inhalable dust) 10 (inhalable dust) 4 (respirable dust)
			Short term		
formaldabuda	50-00-0	United	Eight hours	2	2,5
formaldehyde	50-00-0	Kingdom [1]	Short term	2	2,5

[1] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adobted by Health and Safety Executive. The product does NOT contain substances with Biological Limit Values. Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Туре	Value
aluminium powder (stabilised)	DNEL	Inhalation, Long-term, Local effects	3,72
N. CAS: 7429-90-5	(Workers)		(mg/m³)
N. CE: 231-072-3			_
formaldahuda	DNEL	Inhalation, Long-term, Local effects	0,5
formaldehyde N. CAS: 50-00-0	(Workers)	_	(mg/m³)
N. CE: 200-001-8	DNEL	Inhalation, Long-term, Systemic effects	9 (mg/m <sup>3</sup> )
N. CE: 200-001-8	(Workers)		

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not anticipated.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be considered a tolerable minimum.

#### 8.2 Exposure controls.

#### Measures of a technical nature:

Provide adequate ventilation, which can be achieved by using good local exhaust-ventilation and a good general exhaust system.

Concentration:	100 %	
Uses:		
Breathing protection:		
If the recommended technical measures are observed, no individual protection equipment is necessary.		
Hand protection:		

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PPF: Work gloves.

Characteristics: «CE» marking, category I.

CEN standards: EN 374-1, En 374-2, EN 374-3, EN 420

Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible.

Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or Maintenance:

adhesives.

Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Observations:

Always use with clean, dry hands.

Breakthrough time Material thickness

Material: PVC (polyvinyl chloride) > 480 0,35 (min.) (mm):

Eye protection:

Face shield.

Characteristics: «CE» marking, category II. Face and eye protector against splashing liquid.

EN 165, EN 166, EN 167, EN 168 CEN standards:

Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should Maintenance:

be disinfected periodically following the manufacturer's instructions. Make sure that mobile parts move

smoothly

Face shields should offer a field of vision with a dimension in the central line of, at least, 150 mm Observations:

vertically once attached to the frame.

Skin protection:

PPE: Protective clothing.

«CE» marking, category II. Protective clothing should not be too tight or loose in Characteristics:

order not to obstruct the user's movements.

CFN standards: FN 340

In order to guarantee uniform protection, follow the washing and maintenance instructions provided by Maintenance:

the manufacturer.

The protective clothing should offer a level of comfort in line with the level of protection provided in Observations:

terms of the hazard against which it protects, bearing in mind environmental conditions, the user's level

of activity and the expected time of use. Work footwear.

«CE» marking, category II. Characteristics:

EN ISO 13287, EN 20347 CEN standards:

This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should Maintenance:

not be used by other people.

Work footwear for professional use includes protection elements aimed at protecting users against any Observations:

injury resulting from an accident

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.**

## 9.1 Information on basic physical and chemical properties.

Appearance: Paste with characteristic colour and odour

Colour: N.A./N.A. Odour: N.A./N.A.

Odour threshold: N.A./N.A.

pH:N.A./N.A.

ppF.

Melting point: N.A./N.A. Boiling Point: N.A./N.A. Flash point: > 60 °C Evaporation rate: N.A./N.A.

Inflammability (solid, gas): N.A./N.A. Lower Explosive Limit: N.A./N.A. Upper Explosive Limit: N.A./N.A. Vapour pressure: N.A./N.A. Vapour density: N.A./N.A. Relative density: N.A./N.A. Solubility: N.A./N.A. Liposolubility: N.A./N.A. Hydrosolubility: N.A./N.A.

Partition coefficient (n-octanol/water): N.A./N.A.

Auto-ignition temperature: N.A./N.A. Decomposition temperature: N.A./N.A.

Viscosity: N.A./N.A.

Explosive properties: N.A./N.A.

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Oxidizing properties: N.A./N.A.

N.A./N.A. = Not Available/Not Applicable due to the nature of the product

# **9.2 Other information.** Pour point: N.A./N.A. Blink: N.A./N.A.

Kinematic viscosity: N.A./N.A.

N.A./N.A.= Not Available/Not Applicable due to the nature of the product

## **SECTION 10: STABILITY AND REACTIVITY.**

## 10.1 Reactivity.

The product does not present hazards by their reactivity.

#### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

#### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

#### 10.4 Conditions to avoid.

Avoid any improper handling.

#### 10.5 Incompatible materials.

Keep away from oxidising agents and from highly alkaline or acidic materials in order to prevent exothermic reactions.

#### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

## **SECTION 11: TOXICOLOGICAL INFORMATION.**

1-component preparations: during curing, formaldehyde is released. This can cause irreversible effects, it is a mucous membrane irritant, and it can cause skin sensitivity.

## 11.1 Information on toxicological effects.

Repeated or prolonged contact with the product can cause the elimination of oil from the skin, giving rise to non-allergic contact dermatitis and absorption of the product through the skin.

Splatters in the eyes can cause irritation and reversible damage.

## Toxicological information about the substances present in the composition.

Name	Acute toxicity				
Name	Type	Test	Kind	Value	
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-	Oral	LD50			
3-one [EC no. 220-239-6] (3:1),mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-		[1] Mutation Research. Vol. 118, Pg. 129, 1983			
500-7] and 2-methyl-4-isothiazolin-3-one [EC no.	Dermal				
220-239-6] (3:1)	Inhalation				
CAS No: 55965-84-9 EC No:	IIIIIaiatiOII				

## a) acute toxicity;

Not conclusive data for classification.

## b) skin corrosion/irritation;

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

## c) serious eye damage/irritation;

Not conclusive data for classification.

## d) respiratory or skin sensitisation;

Product classified:

Skin sensitiser, Category 1: May cause an allergic skin reaction.

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e) germ cell mutagenicity;

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

f) carcinogenicity;

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

g) reproductive toxicity;

Not conclusive data for classification.

h) STOT-single exposure;

Not conclusive data for classification.

i) STOT-repeated exposure;

Not conclusive data for classification.

j) aspiration hazard;

Not conclusive data for classification.

## **SECTION 12: ECOLOGICAL INFORMATION.**

## 12.1 Toxicity.

Name	Ecotoxicity			
name	Туре	Test	Kind	Value
	Fish	LC50 Fish 0,36 mg/l (96 h) [1] LC50 Fish 0,19 mg/l (96 h) [2]  [1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C [2] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C		
mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3-one [EC no. 220-239-6] (3:1),mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	Aquatic invertebrates	LC50 Crustacean 0,56 mg/l (48 h) [1] EC50 Crustacean 1,07 mg/l (48 h) [2] EC50 Crustacean 0,18 mg/l (48 h) [3]  [1] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C [2] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA, Washington, D.C [3] Office of Pesticide Programs 2000. Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). Environmental Fate and Effects Database (EEDB)). Environmental Fate and Effects Division, U.S.EPA,		
CAS No: 55965-84-9 EC No:	Aquatic plants	Database ( (EEDB)). En Washingtor [2] Office of Database (	Formerly: Environmentionmental Fate and p.C.  To Pesticide Programs  Formerly: Environmental Fate and prironmental Fate and prironme	0,06 mg/l (96 h) [1] 0,13 mg/l (72 h) [2] 2000. Pesticide Ecotoxicity ental EffectsDatabase d Effects Division, U.S.EPA, 2000. Pesticide Ecotoxicity ental Effects Database d Effects Division, U.S.EPA,

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#### 12.2 Persistence and degradability.

No information is available about persistence and degradability of the product.

#### 12.3 Bioaccumulative potencial.

Information about the bioaccumulation of the substances present.

Name		Bioaccumulation			
		Log Pow	BCF	NOECs	Level
formaldehyde		0.25			Vorylow
N. CAS: 50-00-0	EC No: 200-001-8	0,35	-	-	Very low

#### 12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

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

No information is available about the results of PBT and vPvB assessment of the product.

#### 12.6 Other adverse effects.

No information is available about other adverse effects for the environment.

## **SECTION 13 DISPOSAL CONSIDERATIONS.**

#### 13.1 Waste treatment methods.

Do not dump into sewers or waterways. Waste and empty containers must be handled and eliminated according to current, local/national legislation.

Follow the provisions of Directive 2008/98/EC regarding waste management.

## **SECTION 14: TRANSPORT INFORMATION.**

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6. **14.1 UN number.** 

Transportation is not dangerous.

## 14.2 UN proper shipping name.

Description:

ADR: Transportation is not dangerous. IMDG: Transportation is not dangerous. ICAO: Transportation is not dangerous.

## 14.3 Transport hazard class(es).

Transportation is not dangerous.

## 14.4 Packing group.

Transportation is not dangerous.

#### 14.5 Environmental hazards.

Transportation is not dangerous.

## 14.6 Special precautions for user.

Transportation is not dangerous.

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

Transportation is not dangerous.

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## **SECTION 15: REGULATORY INFORMATION.**

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

The product is not affected by the Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on substances that deplete the ozone layer.

The product is not affected by Directive 2012/18/EU (SEVESO III).

The product is not affected by Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.

The product is not affected by the procedure established Regulation (EU) No 649/2012, concerning the export and import of dangerous chemicals.

Restrictions on the manufacturing, placing on the market and use of certain dangerous substances, mixtures and articles:

#### Designation of the substance, of the **Conditions of restriction** group of substances or of the mixture 28. Substances which appear in Part 3 of 1. Shall not be placed on the market, or used, Annex VI to Regulation (EC) No 1272/2008 as substances. classified as carcinogen category 1A or 1B - as constituents of other substances, or, (Table 3.1) or carcinogen category 1 or 2 - in mixtures, (Table 3.2) and listed as follows: for supply to the general public when the individual concentration in the - Carcinogen category 1A (Table substance or mixture is equal to or greater than: 3.1)/carcinogen category 1 (Table 3.2) listed - either the relevant specific concentration limit specified in Part 3 of Annex VI in Appendix 1 to Regulation (EC) No 1272/2008, or, - the relevant concentration specified in Directive 1999/45/EC where no - Carcinogen category 1B (Table 3.1)/carcinogen category 2 (Table 3.2) listed specific concentration limit is set out in Part 3 of Annex VI to Regulation (EC) in Appendix 2 No 1272/2008. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: 'Restricted to professional users'. 2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC: (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: - motor fuels which are covered by Directive 98/70/EC, - mineral oil products intended for use as fuel in mobile or fixed combustion plants, fuels sold in closed systems (e.g. liquid gas bottles); (d) artists' paints covered by Directive 1999/45/EC; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date

## 15.2 Chemical safety assessment.

There has been no evaluation a chemical safety assessment of the product.

## **SECTION 16: OTHER INFORMATION.**

Complete text of the H phrases that appear in section 3:

H228	Flammable solid.
H261	In contact with water releases flammable gases.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H331	Toxic if inhaled.
H341	Suspected of causing genetic defects.

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H350 May cause cancer. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

#### Classification codes:

Acute Tox. 3 [Dermal] : Acute toxicity (Dermal), Category 3 Acute Tox. 3 [Inhalation] : Acute toxicity (Inhalation), Category 3

Acute Tox. 3 [Oral] : Acute toxicity (Oral), Category 3

Aquatic Acute 1: Acute toxicity to the aquatic environment, Category 1 Aquatic Chronic 1: Chronic effect to the aquatic environment, Category 1

Carc. 1B: Carcinogen, Category 1B
Flam. Sol. 1: Flammable solid, Category 1
Muta. 2: Mutagen, Category 2
Skin Corr. 1B: Skin Corrosive, Category 1B
Skin Sens. 1: Skin sensitiser, Category 1

Water-react. 2: Substances and mixtures, which in contact with water, emit flammable gases, Category 2

Sections changed compared with the previous version:

1,2,3,8,12,14,16

It is advisable to carry out basic training with regard to health and safety at work in order to handle this product correctly.

Abbreviations and acronyms used:

BCF: Bioconcentration factor.

CEN: European Committee for Standardization.

DMEL: Derived Minimal Effect Level, exposure level corresponding to a low risk, that risk should be

considered a tolerable minimum.

DNEL: Derived No Effect Level, level of exposure to the substance below which adverse effects are not

anticipated.

EC50: Half maximal effective concentration.
PPE: Personal protection equipment.
LC50: Lethal concentration, 50%.

LD50: Lethal dose, 50%.

Log Pow: Logarithm of the partition octanol-water. NOEC: No observed effect concentration.

Key literature references and sources for data:

http://eur-lex.europa.eu/homepage.html

http://echa.europa.eu/

Regulation (EU) 2015/830. Regulation (EC) No 1907/2006. Regulation (EU) No 1272/2008.

The information given in this Safety Data Sheet has been drafted in accordance with COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

The information in this Safety Data Sheet on the Preparation is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.