



FERROMICACEO 203 FERROMICACEO BASE 203 117903

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

1.1 Product identifier: FERROMICACEO 203 FERROMICACEO BASE 203

117903

Other means of identification:

Non-applicable

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

Relevant uses: Anti-corrosive paint

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:

Berling S.A.

Thesi Aghia Paraskevi 32011 Inofita - Viotia - Greece

Phone.: +302262031663 - Fax: +302262031293

info@berling.gr www.berling.gr

1.4 Emergency telephone number: +30 210 7793 777 (Greek Poison Info Center)

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.

Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412

Flam. Liq. 3: Flammable liquids, Category 3, H226

STOT RE 1: Specific target organ toxicity, repeated exposure, Category 1, H372

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:

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Flam. Lig. 3: H226 - Flammable liquid and vapour.

STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.

STOT SE 3: H336 - May cause drowsiness or dizziness.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P370+P378: In case of fire: Use ABC powder extinguisher to extinguish.

P501: Dispose of the contents/containers in accordance with the current legislation on waste treatment

Supplementary information:

EUH066: Repeated exposure may cause skin dryness or cracking.

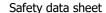
EUH208: Contains Amide wax, Cobalt bis(2-ethylhexanoate). May produce an allergic reaction.

Substances that contribute to the classification

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (CAS: 64742-82-1); Solvent naphtha (petroleum), medium aliph. (CAS: 64742-88-7)

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SECTION 2: HAZARDS IDENTIFICATION (continued)

2.3 Other hazards:

Product contains PBT/vPvB substances: Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS **

3.1 Substance:

Non-applicable

3.2 Mixture:

Chemical description: Mixture composed of additives, fillers, pigments and resins in solvents

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

	Identification	Chemical name/Classification				
CAS:	64742-82-1	Hydrocarbons, C9-C1	2, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)(1)	Self-classified		
EC: Index: REACH:	919-446-0 Non-applicable 01-2119458049-33- XXXX	n-applicable 2119458049-33- Regulation 1272/2008 Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT RE 1: H372; STOT SE 3: H336; EUH066 - Danger			9,9 - <19 %	
CAS: EC:	64742-88-7 265-191-7	Solvent naphtha (pet	roleum), medium aliph.(1)	ATP ATP05		
Index:	265-191-7 649-405-00-X 01-2119537181-47- XXXX	Regulation 1272/2008	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 3: H226; STOT SE 3: H336 - Danger	1 0 0	4,9 - <9,9 %	
CAS:	1330-20-7	Xylene ⁽¹⁾		ATP CLP00		
EC: Index: REACH:	215-535-7 601-022-00-9 01-2119488216-32- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning	<u>(1)</u>	4,9 - <9,9 %	
CAS:	7727-43-7	Barium Sulfate(2)		Not classified		
EC: Index: REACH:	231-784-4 Non-applicable 01-2119491274-35- XXXX	Regulation 1272/2008			4,9 - <9,9 %	
CAS:	85203-81-2	Hexanoic acid, 2-ethy	Self-classified			
EC: Index: REACH:	286-272-3 Non-applicable 01-2119979093-30- XXXX	Regulation 1272/2008	Eye Irrit. 2: H319; Repr. 2: H361; Skin Irrit. 2: H315 - Warning	<u>(1)</u>	0,24 - <0,9 %	
CAS: EC:	22464-99-9 245-018-1 Non-applicable 01-2119979088-21- XXXX	2-ethylhexanoic acid,	zirconium salt ⁽¹⁾	Self-classified		
Index:		Regulation 1272/2008	Repr. 2: H361d - Warning	♦	0,24 - <0,9 %	
CAS:	107-98-2	1-methoxy-2-propan	0[(2)	ATP ATP01		
EC: Index: REACH:	203-539-1 603-064-00-3 01-2119457435-35- XXXX	Regulation 1272/2008	Flam. Liq. 3: H226; STOT SE 3: H336 - Warning	<u>(1)</u>	0,24 - <0,9 %	
CAS:	68439-50-9	Alcohols, C12-14, eth	oxylated (1-6 EO) ⁽¹⁾	Self-classified		
EC: Index: REACH:	500-213-3 Non-applicable 01-0000017430-80- XXXX	Regulation 1272/2008	Aquatic Acute 1: H400; Eye Dam. 1: H318 - Danger		0,24 - <0,9 %	
CAS:	14808-60-7	Quartz (RCS > 10%) ⁽²⁾ Self-classified				
EC: Index: REACH:	238-878-4 Non-applicable Non-applicable	Regulation 1272/2008	STOT RE 1: H372 - Danger	\$	0,24 - <0,9 %	
CAS:	100-41-4	Ethylbenzene(2)		ATP ATP06		
EC: Index: REACH:	202-849-4 601-023-00-4 01-2119489370-35- XXXX	Regulation 1272/2008	Acute Tox. 4: H332; Asp. Tox. 1: H304; Flam. Liq. 2: H225; STOT RE 2: H373 - Danger	1 4	0,24 - <0,9 %	

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830 (2) Substance with a Union workplace exposure limit

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^{**} Changes with regards to the previous version



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS ** (continued)

	Identification		Chemical name/Classification				
CAS:	Non-applicable	Amide wax(1)	Amide wax ⁽¹⁾ Self-classified				
EC: Index: REACH:	434-430-9 Non-applicable 01-0000018057-71- XXXX	Regulation 1272/2008	Aquatic Chronic 4: H413; Skin Sens. 1: H317 - Warning	0,24 - <0,9 %			
CAS: EC:	136-52-7 205-250-6	Cobalt bis(2-ethylhex	ranoate)(1) Self-classified				
Index:	205-250-6 Non-applicable 01-2119524678-29- XXXX	Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Chronic 1: H410; Repr. 2: H361f; Skin Sens. 1: H317 - Warning	0,09 - <0,24 %			
CAS:	1330-20-7 215-535-7	Xylene ⁽²⁾	Self-classified				
Index: 601- REACH: 01-2	601-022-00-9 01-2119488216-32- XXXX	Regulation 1272/2008	Acute Tox. 4: H312+H332; Asp. Tox. 1: H304; Eye Irrit. 2: H319; Flam. Liq. 3: H226; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H335 - Danger	<0,09 %			
CAS: EC:	95-38-5 202-414-9 Non-applicable 01-2119777867-13- XXXX	2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol(1) Self-classified					
Index:		Regulation 1272/2008	Acute Tox. 4: H302; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Corr. 1C: H314; STOT RE 2: H373 - Danger	<0,09 %			
CAS: EC:	108-88-3	Toluene ⁽²⁾	ATP CLP00				
Index:	203-625-9 601-021-00-3 01-2119471310-51- XXXX	Regulation 1272/2008	Asp. Tox. 1: H304; Flam. Liq. 2: H225; Repr. 2: H361d; Skin Irrit. 2: H315; STOT RE 2: H373; STOT SE 3: H336 - Danger	<0,09 %			
CAS:	111-76-2	2-butoxyethanol ⁽²⁾	ATP CLP00				
EC: Index: REACH:	203-905-0 603-014-00-0 01-2119475108-36- XXXX	Regulation 1272/2008	Acute Tox. 4: H302+H312+H332; Eye Irrit. 2: H319; Skin Irrit. 2: H315 - Warning	<0,09 %			

⁽¹⁾ Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

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:

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:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

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:

Non-applicable

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⁽²⁾ Substance with a Union workplace exposure limit

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SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2).

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

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:

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. Destroy 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.

6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- Precautions for safe manipulation

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.

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SECTION 7: HANDLING AND STORAGE (continued)

C.- Technical recommendations to prevent ergonomic and toxicological risks

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

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities:

A.- Technical measures for storage

Minimum Temp.: 5 °C

Maximum Temp.: 35 °C

Maximum time: 0 Months

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	Oc	Occupational exposure limits			
2-butoxyethanol	IOELV (8h)	20 ppm	98 mg/m ³		
CAS: 111-76-2 EC: 203-905-0	IOELV (STEL)	50 ppm	246 mg/m ³		
Ethylbenzene	IOELV (8h)	100 ppm	442 mg/m ³		
CAS: 100-41-4	IOELV (STEL)	200 ppm	884 mg/m ³		
Toluene	IOELV (8h)	50 ppm	192 mg/m ³		
CAS: 108-88-3	IOELV (STEL)	100 ppm	384 mg/m ³		
Xylene	IOELV (8h)	50 ppm	221 mg/m ³		
CAS: 1330-20-7	IOELV (STEL)	100 ppm	442 mg/m ³		
1-methoxy-2-propanol	IOELV (8h)	100 ppm	375 mg/m ³		
CAS: 107-98-2	IOELV (STEL)	150 ppm	568 mg/m ³		
Quartz (RCS > 10%)	IOELV (8h)		0,1 mg/m ³		
CAS: 14808-60-7	IOELV (STEL)				
Xylene	IOELV (8h)	50 ppm	221 mg/m ³		
CAS: 1330-20-7 EC: 215-535-7	IOELV (STEL)	100 ppm	442 mg/m ³		
Barium Sulfate	IOELV (8h)		0,5 mg/m ³		
CAS: 7727-43-7	IOELV (STEL)				

DNEL (Workers):

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64742-82-1	Dermal	Non-applicable	Non-applicable	21 mg/kg	Non-applicable
EC: 919-446-0	Inhalation	570 mg/m ³	Non-applicable	330 mg/m ³	Non-applicable
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable
EC: 215-535-7	Inhalation	442 mg/m³	442 mg/m³	221 mg/m³	221 mg/m³

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
Barium Sulfate	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 7727-43-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 231-784-4	Inhalation	Non-applicable	Non-applicable	10 mg/m ³	10 mg/m ³	
Hexanoic acid, 2-ethyl-, zinc salt, basic	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 85203-81-2	Dermal	Non-applicable	Non-applicable	6,41 mg/kg	Non-applicable	
EC: 286-272-3	Inhalation	Non-applicable	Non-applicable	20,83 mg/m ³	Non-applicable	
2-ethylhexanoic acid, zirconium salt	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 22464-99-9	Dermal	Non-applicable	Non-applicable	6,49 mg/kg	Non-applicable	
EC: 245-018-1	Inhalation	Non-applicable	Non-applicable	32,97 mg/m ³	Non-applicable	
1-methoxy-2-propanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 107-98-2	Dermal	Non-applicable	Non-applicable	183 mg/kg	Non-applicable	
EC: 203-539-1	Inhalation	553,5 mg/m ³	553,5 mg/m ³	369 mg/m ³	Non-applicable	
Ethylbenzene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	180 mg/kg	Non-applicable	
EC: 202-849-4	Inhalation	Non-applicable	293 mg/m ³	77 mg/m³	Non-applicable	
Amide wax	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	10 mg/kg	Non-applicable	
EC: 434-430-9	Inhalation	Non-applicable	Non-applicable	35,24 mg/m ³	Non-applicable	
Cobalt bis(2-ethylhexanoate)	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 136-52-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 205-250-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,2351 mg/m ³	
Xylene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	212 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	442 mg/m ³	442 mg/m ³	221 mg/m ³	221 mg/m ³	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 95-38-5	Dermal	2 mg/kg	Non-applicable	0,06 mg/kg	Non-applicable	
EC: 202-414-9	Inhalation	14 mg/m³	Non-applicable	0,46 mg/m ³	Non-applicable	
Toluene	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	384 mg/kg	Non-applicable	
EC: 203-625-9	Inhalation	384 mg/m ³	384 mg/m ³	192 mg/m ³	192 mg/m³	
2-butoxyethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
CAS: 111-76-2	Dermal	89 mg/kg	Non-applicable	125 mg/kg	Non-applicable	
EC: 203-905-0	Inhalation	1091 mg/m ³	246 mg/m ³	98 mg/m ³	Non-applicable	

DNEL (General population):

		Short e	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	Oral	Non-applicable	Non-applicable	21 mg/kg	Non-applicable	
CAS: 64742-82-1	Dermal	Non-applicable	Non-applicable	12 mg/kg	Non-applicable	
EC: 919-446-0	Inhalation	570 mg/m ³	Non-applicable	71 mg/m³	Non-applicable	
Xylene	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	260 mg/m ³	260 mg/m ³	65,3 mg/m ³	65,3 mg/m ³	
Barium Sulfate	Oral	Non-applicable	Non-applicable	13000 mg/kg	Non-applicable	
CAS: 7727-43-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 231-784-4	Inhalation	Non-applicable	Non-applicable	10 mg/m ³	Non-applicable	
Hexanoic acid, 2-ethyl-, zinc salt, basic	Oral	Non-applicable	Non-applicable	3,21 mg/kg	Non-applicable	
CAS: 85203-81-2	Dermal	Non-applicable	Non-applicable	3,21 mg/kg	Non-applicable	
EC: 286-272-3	Inhalation	Non-applicable	Non-applicable	10,42 mg/m ³	Non-applicable	

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Safety data sheet

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

		Short	Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local	
2-ethylhexanoic acid, zirconium salt	Oral	Non-applicable	Non-applicable	4,51 mg/kg	Non-applicable	
CAS: 22464-99-9	Dermal	Non-applicable	Non-applicable	3,25 mg/kg	Non-applicable	
EC: 245-018-1	Inhalation	Non-applicable	Non-applicable	8,13 mg/m ³	Non-applicable	
1-methoxy-2-propanol	Oral	Non-applicable	Non-applicable	33 mg/kg	Non-applicable	
CAS: 107-98-2	Dermal	Non-applicable	Non-applicable	78 mg/kg	Non-applicable	
EC: 203-539-1	Inhalation	Non-applicable	Non-applicable	43,9 mg/m ³	Non-applicable	
Ethylbenzene	Oral	Non-applicable	Non-applicable	1,6 mg/kg	Non-applicable	
CAS: 100-41-4	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 202-849-4	Inhalation	Non-applicable	Non-applicable	15 mg/m ³	Non-applicable	
Amide wax	Oral	5 mg/kg	Non-applicable	5 mg/kg	Non-applicable	
CAS: Non-applicable	Dermal	Non-applicable	Non-applicable	5 mg/kg	Non-applicable	
EC: 434-430-9	Inhalation	Non-applicable	Non-applicable	8,69 mg/m ³	Non-applicable	
Cobalt bis(2-ethylhexanoate)	Oral	Non-applicable	Non-applicable	0,175 mg/kg	Non-applicable	
CAS: 136-52-7	Dermal	Non-applicable	Non-applicable	Non-applicable	Non-applicable	
EC: 205-250-6	Inhalation	Non-applicable	Non-applicable	Non-applicable	0,037 mg/m ³	
Xylene	Oral	Non-applicable	Non-applicable	12,5 mg/kg	Non-applicable	
CAS: 1330-20-7	Dermal	Non-applicable	Non-applicable	125 mg/kg	Non-applicable	
EC: 215-535-7	Inhalation	260 mg/m ³	260 mg/m ³	65,3 mg/m ³	65,3 mg/m ³	
Toluene	Oral	Non-applicable	Non-applicable	8,13 mg/kg	Non-applicable	
CAS: 108-88-3	Dermal	Non-applicable	Non-applicable	226 mg/kg	Non-applicable	
EC: 203-625-9	Inhalation	226 mg/m ³	226 mg/m ³	56,5 mg/m ³	56,5 mg/m ³	
2-butoxyethanol	Oral	Non-applicable	Non-applicable	6,3 mg/kg	Non-applicable	
CAS: 111-76-2	Dermal	89 mg/kg	Non-applicable	75 mg/kg	Non-applicable	
EC: 203-905-0	Inhalation	426 mg/m³	147 mg/m³	59 mg/m ³	Non-applicable	

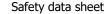
PNEC:

Identification				
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg
Barium Sulfate	STP	62,2 mg/L	Fresh water	0,115 mg/L
CAS: 7727-43-7	Soil	207,7 mg/kg	Marine water	Non-applicable
EC: 231-784-4	Intermittent	Non-applicable	Sediment (Fresh water)	600,4 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	Non-applicable
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	Non-applicable	Sediment (Marine water)	5,2 mg/kg
Ethylbenzene	STP	9,6 mg/L	Fresh water	0,1 mg/L
CAS: 100-41-4	Soil	2,68 mg/kg	Marine water	0,01 mg/L
EC: 202-849-4	Intermittent	0,1 mg/L	Sediment (Fresh water)	13,7 mg/kg
	Oral	0,02 g/kg	Sediment (Marine water)	1,37 mg/kg
Amide wax	STP	10 mg/L	Fresh water	0,2 mg/L
CAS: Non-applicable	Soil	171,5 mg/kg	Marine water	0,02 mg/L
EC: 434-430-9	Intermittent	0,18 mg/L	Sediment (Fresh water)	860 mg/kg
	Oral	0,0278 g/kg	Sediment (Marine water)	86 mg/kg
Cobalt bis(2-ethylhexanoate)	STP	0,37 mg/L	Fresh water	0,00062 mg/L
CAS: 136-52-7	Soil	10,9 mg/kg	Marine water	0,00236 mg/L
EC: 205-250-6	Intermittent	Non-applicable	Sediment (Fresh water)	53,8 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	69,8 mg/kg

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Identification				
Xylene	STP	6,58 mg/L	Fresh water	0,327 mg/L
CAS: 1330-20-7	Soil	2,31 mg/kg	Marine water	0,327 mg/L
EC: 215-535-7	Intermittent	0,327 mg/L	Sediment (Fresh water)	12,46 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	12,46 mg/kg
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	STP	0,27 mg/L	Fresh water	0 mg/L
CAS: 95-38-5	Soil	0,075 mg/kg	Marine water	0 mg/L
EC: 202-414-9	Intermittent	0 mg/L	Sediment (Fresh water)	0,376 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,038 mg/kg
Toluene	STP	13,61 mg/L	Fresh water	0,68 mg/L
CAS: 108-88-3	Soil	2,89 mg/kg	Marine water	0,68 mg/L
EC: 203-625-9	Intermittent	0,68 mg/L	Sediment (Fresh water)	16,39 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	16,39 mg/kg
2-butoxyethanol	STP	463 mg/L	Fresh water	8,8 mg/L
CAS: 111-76-2	Soil	2,33 mg/kg	Marine water	0,88 mg/L
EC: 203-905-0	Intermittent	26,4 mg/L	Sediment (Fresh water)	34,6 mg/kg
	Oral	0,02 g/kg	Sediment (Marine water)	3,46 mg/kg

8.2 Exposure controls:

A.- General security and hygiene measures in the work place

In accordance with the order of importance to control professional exposure (Directive 98/24/EC) it is recommended to use localized extraction in the work area as a collective protection measure to avoid exceeding the occupational exposure limits. In case of using personal protective equipment it should have CE marking in accordance with Directive 2016/425/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For additional 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	CAT III	EN 149:2001+A1:2009 EN 405:2002+A1:2010	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	NON-disposable chemical protective gloves	CATIII	EN ISO 374-1:2016+A1:2018 EN 16523-1:2015+A1:2018 EN 420:2004+A1:2010	The Breakthrough Time indicated by the manufacturer must exceed the period during which the product is being used. Do not use protective creams after the product has come into contact with skin.

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.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Face shield	CATII	EN 166:2002 EN 167:2002 EN 168:2002 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

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory complete body protection	Disposable clothing for protection against chemical risks, with antistatic and fireproof properties	CAT III	EN 1149-1,2,3 EN 13034:2005+A1:2009 EN ISO 13982-1:2004/A1:2010 EN ISO 6529:2013 EN ISO 6530:2005 EN ISO 13688:2013 EN 464:1994	For professional use only. Clean periodically according to the manufacturer's instructions.
Mandatory foot protection	Safety footwear for protection against chemical risk, with antistatic and heat resistant properties	CAT III	EN ISO 13287:2013 EN ISO 20345:2011 EN 13832-1:2019	Replace boots at any sign of deterioration.

F.- Additional emergency measures

Emergency measure	Standards	Emergency measure	Standards
•	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	O + T	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011
Emergency shower		Eyewash stations	

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): Not available
V.O.C. density at 25 °C: Not available
Average carbon number: Not available
Average molecular weight: Not available

With regard to Directive 2004/42/EC, this product which is ready to use has the following characteristics:

V.O.C. density at 25 °C: 500 kg/m³ (500 g/L)

EU limit for the product (Cat. A.I): 500 g/L (2010)

Components: WHITE SPIRIT - 10 % v/v

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 °C:

Appearance:

Colour:

Odour:

Silver

Solvent

Odour threshold: Non-applicable *

Volatility:

Boiling point at atmospheric pressure: 139 °C Vapour pressure at 25 °C: 1253 Pa

Vapour pressure at 50 °C: 5042,32 Pa (5,04 kPa) Evaporation rate at 25 °C: Non-applicable *

Product description:

*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)

Density at 25 °C: 1350 - 1410 kg/m³ Relative density at 25 °C: Non-applicable * Dynamic viscosity at 25 °C: 1306,49 - 1231,02 cP Kinematic viscosity at 25 °C: Non-applicable * Kinematic viscosity at 40 °C: Non-applicable * Non-applicable * Concentration: pH: Non-applicable * Vapour density at 25 °C: Non-applicable * Partition coefficient n-octanol/water 25 °C: Non-applicable *

Solubility in water at 25 °C:

Solubility properties:

Decomposition temperature:

Melting point/freezing point:

Explosive properties:

Oxidising properties:

Non-applicable *

Non-applicable *

Non-applicable *

Non-applicable *

Flammability:

Flash Point: 30 °C

Heat of combustion:

Flammability (solid, gas):

Non-applicable *

Non-applicable *

Autoignition temperature: 200 °C

Lower flammability limit: Not available

Upper flammability limit: Not available

Explosive:

Lower explosive limit: Non-applicable *
Upper explosive limit: Non-applicable *

9.2 Other information:

Surface tension at 25 °C:

Refraction index:

Non-applicable *

Non-applicable *

*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.

10.2 Chemical stability:

Chemically stable under the 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:

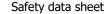
Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Risk of combustion	Avoid direct impact	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Not applicable	Not applicable	Avoid direct impact	Not applicable	Avoid alkalis or strong bases. Can react violently

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SECTION 10: STABILITY AND REACTIVITY (continued)

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 (CO2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION **

11.1 Information on toxicological effects:

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

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, however, it contains substances classified as dangerous for consumption. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous 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. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous 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. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
 - Contact with the eyes: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.
- $\hbox{ D- } \hbox{ CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):} \\$
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.

IARC: Naphtha (petroleum), hydrotreated heavy, < 0.1 % EC 200-753-7 (3); Zeolites (3); naphtha (petroleum), hydrodesulphurized heavy, < 0.1 % EC 200-753-7 (3); 2-butoxyethanol (3); Ethylbenzene (2B); Toluene (3); Xylene (3); Reaction mass of ethylbenzene and xylene (3); ethanol (1); Cobalt bis(2-ethylhexanoate) (2B); Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%) (3); Naphtha (petroleum), hydrodesulphurized heavy (3); Distillates (petroleum), hydrotreated light (3); Solvent naphtha (petroleum), light arom., < 0.1 % EC 200-753-7 (3); Naphtha (petroleum), hydrotreated heavy, < 0.1 % EC 200-753-7 (3); Quartz (RCS > 10%) (1); Solvent naphtha (petroleum), medium aliph. (3); Xylene (3); ethanol (1)

- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous 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 dangerous with sensitising effects. For more information see section 3.
 - Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- 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:

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
- Skin: Repeated exposure may cause skin dryness or cracking

H- Aspiration hazard:

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

Other information:

Non-applicable

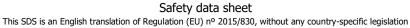
Specific toxicology information on the substances:

Identification	Д	Acute toxicity	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LD50 oral	>2000 mg/kg	
CAS: 64742-82-1	LD50 dermal	>2000 mg/kg	
EC: 919-446-0	LC50 inhalation	>20 mg/L (4 h)	
Solvent naphtha (petroleum), medium aliph.	LD50 oral	5100 mg/kg	Rat
CAS: 64742-88-7	LD50 dermal	>2000 mg/kg	
EC: 265-191-7	LC50 inhalation	>20 mg/L (4 h)	
Kylene	LD50 oral	2100 mg/kg	Rat
CAS: 1330-20-7	LD50 dermal	1100 mg/kg	Rat
C: 215-535-7	LC50 inhalation	11 mg/L (4 h) (ATEi)	
Barium Sulfate	LD50 oral	15000 mg/kg	Rat
CAS: 7727-43-7	LD50 dermal	>2000 mg/kg	
EC: 231-784-4	LC50 inhalation	>5 mg/L (4 h)	
Hexanoic acid, 2-ethyl-, zinc salt, basic	LD50 oral	2043 mg/kg	Rat
CAS: 85203-81-2	LD50 dermal	>2000 mg/kg	
EC: 286-272-3	LC50 inhalation	>20 mg/L	
2-ethylhexanoic acid, zirconium salt	LD50 oral	2043 mg/kg	Rat
CAS: 22464-99-9	LD50 dermal	>2000 mg/kg	
FC: 245-018-1	LC50 inhalation	>5 mg/L	
-methoxy-2-propanol	LD50 oral	>2000 mg/kg	
AS: 107-98-2	LD50 dermal	>2000 mg/kg	
C: 203-539-1	LC50 inhalation	>20 mg/L	
Alcohols, C12-14, ethoxylated (1-6 EO)	LD50 oral	>2000 mg/kg	
CAS: 68439-50-9	LD50 dermal	>2000 mg/kg	
C: 500-213-3	LC50 inhalation	>20 mg/L	
Quartz (RCS > 10%)	LD50 oral	>2000 mg/kg	
CAS: 14808-60-7	LD50 dermal	>2000 mg/kg	
EC: 238-878-4	LC50 inhalation	>5 mg/L	
thylbenzene	LD50 oral	3500 mg/kg	Rat
AS: 100-41-4	LD50 dermal	15354 mg/kg	Rabbit
C: 202-849-4	LC50 inhalation	17,2 mg/L (4 h)	Rat
mide wax	LD50 oral	>2000 mg/kg	
CAS: Non-applicable	LD50 dermal	>2000 mg/kg	
C: 434-430-9	LC50 inhalation	>5 mg/L	
Cobalt bis(2-ethylhexanoate)	LD50 oral	>2000 mg/kg	
AS: 136-52-7	LD50 dermal	>2000 mg/kg	
C: 205-250-6	LC50 inhalation	>5 mg/L	
(ylene	LD50 oral	2100 mg/kg	Rat
AS: 1330-20-7	LD50 dermal	1100 mg/kg	Rat
C: 215-535-7	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION ** (continued)

Identification	Acu	Acute toxicity		
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	LD50 oral	1085 mg/kg	Rat	
CAS: 95-38-5	LD50 dermal	>2000 mg/kg		
EC: 202-414-9	LC50 inhalation	>20 mg/L		
Toluene	LD50 oral	5580 mg/kg	Rat	
CAS: 108-88-3	LD50 dermal	12124 mg/kg	Rat	
EC: 203-625-9	LC50 inhalation	28,1 mg/L (4 h)	Rat	
2-butoxyethanol	LD50 oral	1414 mg/kg	Rat	
CAS: 111-76-2	LD50 dermal	1060 mg/kg	Rabbit	
EC: 203-905-0	LC50 inhalation	11 mg/L (4 h)	Rat	

^{**} Changes with regards to the previous version

SECTION 12: ECOLOGICAL INFORMATION **

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

12.1 Toxicity:

Identification		Acute toxicity	Species	Genus
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 64742-82-1	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 919-446-0	EC50	>1 - 10 mg/L (72 h)		Algae
Solvent naphtha (petroleum), medium aliph.	LC50	>1 - 10 mg/L (96 h)		Fish
CAS: 64742-88-7	EC50	>1 - 10 mg/L (48 h)		Crustacean
EC: 265-191-7	EC50	>1 - 10 mg/L (72 h)		Algae
Xylene	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
Barium Sulfate	LC50	76000 mg/L (96 h)	Salmo gairdneri	Fish
CAS: 7727-43-7	EC50	Non-applicable		
EC: 231-784-4	EC50	Non-applicable		
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
Alcohols, C12-14, ethoxylated (1-6 EO)	LC50	0.876 mg/L (96 h)	Danio rerio	Fish
CAS: 68439-50-9	EC50	0.61 mg/L (48 h)	Daphnia magna	Crustacean
EC: 500-213-3	EC50	0.41 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae
Ethylbenzene	LC50	42.3 mg/L (96 h)	Pimephales promelas	Fish
CAS: 100-41-4	EC50	75 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-849-4	EC50	63 mg/L (3 h)	Chlorella vulgaris	Algae
Cobalt bis(2-ethylhexanoate)	LC50	>0.1 - 1 mg/L (96 h)		Fish
CAS: 136-52-7	EC50	>0.1 - 1 mg/L (48 h)		Crustacean
EC: 205-250-6	EC50	>0.1 - 1 mg/L (72 h)		Algae
Xylene	LC50	13.5 mg/L (96 h)	Oncorhynchus mykiss	Fish
CAS: 1330-20-7	EC50	3.4 mg/L (48 h)	Ceriodaphnia dubia	Crustacean
EC: 215-535-7	EC50	10 mg/L (72 h)	Skeletonema costatum	Algae
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	LC50	0.3 mg/L (96 h)	Brachydanio rerio	Fish
CAS: 95-38-5	EC50	0.163 mg/L (48 h)	Daphnia magna	Crustacean
EC: 202-414-9	EC50	0.03 mg/L (72 h)	Desmodesmus subspicatus	Algae
Toluene	LC50	13 mg/L (96 h)	Carassius auratus	Fish
CAS: 108-88-3	EC50	11.5 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-625-9	EC50	125 mg/L (48 h)	Scenedesmus subspicatus	Algae

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification	Acute toxicity		Species	Genus
2-butoxyethanol	LC50	1490 mg/L (96 h)	Lepomis macrochirus	Fish
CAS: 111-76-2	EC50	1815 mg/L (48 h)	Daphnia magna	Crustacean
EC: 203-905-0	EC50	911 mg/L (72 h)	Pseudokirchneriella subcapitata	Algae

12.2 Persistence and degradability:

Identification	De	egradability	Biodeg	Biodegradability	
Xylene	BOD5	Non-applicable	Concentration	Non-applicable	
CAS: 1330-20-7	COD	Non-applicable	Period	28 days	
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %	
2-ethylhexanoic acid, zirconium salt	BOD5	Non-applicable	Concentration	20 mg/L	
CAS: 22464-99-9	COD	Non-applicable	Period	28 days	
EC: 245-018-1	BOD5/COD	Non-applicable	% Biodegradable	99 %	
1-methoxy-2-propanol	BOD5	Non-applicable	Concentration	100 mg/L	
CAS: 107-98-2	COD	Non-applicable	Period	28 days	
EC: 203-539-1	BOD5/COD	Non-applicable	% Biodegradable	90 %	
Alcohols, C12-14, ethoxylated (1-6 EO)	BOD5	Non-applicable	Concentration	100 mg/L	
CAS: 68439-50-9	COD	Non-applicable	Period	14 days	
EC: 500-213-3	BOD5/COD	Non-applicable	% Biodegradable	95 %	
Ethylbenzene	BOD5	Non-applicable	Concentration	100 mg/L	
CAS: 100-41-4	COD	Non-applicable	Period	14 days	
EC: 202-849-4	BOD5/COD	Non-applicable	% Biodegradable	90 %	
Xylene	BOD5	Non-applicable	Concentration	Non-applicable	
CAS: 1330-20-7	COD	Non-applicable	Period	28 days	
EC: 215-535-7	BOD5/COD	Non-applicable	% Biodegradable	88 %	
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	BOD5	Non-applicable	Concentration	Non-applicable	
CAS: 95-38-5	COD	Non-applicable	Period	28 days	
EC: 202-414-9	BOD5/COD	Non-applicable	% Biodegradable	82 %	
Toluene	BOD5	2,5 g O2/g	Concentration	100 mg/L	
CAS: 108-88-3	COD	Non-applicable	Period	14 days	
EC: 203-625-9	BOD5/COD	Non-applicable	% Biodegradable	100 %	
2-butoxyethanol	BOD5	0,71 g O2/g	Concentration	100 mg/L	
CAS: 111-76-2	COD	2,2 g O2/g	Period	14 days	
EC: 203-905-0	BOD5/COD	0,32	% Biodegradable	96 %	

12.3 Bioaccumulative potential:

Identification	Bioa	Bioaccumulation potential		
Solvent naphtha (petroleum), medium aliph.	BCF			
CAS: 64742-88-7	Pow Log	4.6		
EC: 265-191-7	Potential			
Xylene	BCF	9		
CAS: 1330-20-7	Pow Log	2.77		
EC: 215-535-7	Potential	Low		
2-ethylhexanoic acid, zirconium salt	BCF			
CAS: 22464-99-9	Pow Log	2.96		
EC: 245-018-1	Potential			
1-methoxy-2-propanol	BCF	3		
CAS: 107-98-2	Pow Log	-0.44		
EC: 203-539-1	Potential	Low		
Ethylbenzene	BCF	1		
CAS: 100-41-4	Pow Log	3.15		
EC: 202-849-4	Potential	Low		

^{**} Changes with regards to the previous version

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SECTION 12: ECOLOGICAL INFORMATION ** (continued)

Identification		accumulation potential
Xylene	BCF	9
CAS: 1330-20-7	Pow Log	2.77
EC: 215-535-7	Potential	Low
Toluene	BCF	13
CAS: 108-88-3	Pow Log	2.73
EC: 203-625-9	Potential	Low
2-butoxyethanol	BCF	3
CAS: 111-76-2	Pow Log	0.83
EC: 203-905-0	Potential	Low

12.4 Mobility in soil:

Identification	Absorp	otion/desorption	Volat	ility
Xylene	Koc	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
2-ethylhexanoic acid, zirconium salt	Koc	Non-applicable	Henry	2,94E-1 Pa·m³/mol
CAS: 22464-99-9	Conclusion	Non-applicable	Dry soil	Yes
EC: 245-018-1	Surface tension	Non-applicable	Moist soil	Yes
Ethylbenzene	Koc	520	Henry	798,44 Pa·m³/mol
CAS: 100-41-4	Conclusion	Moderate	Dry soil	Yes
EC: 202-849-4	Surface tension	2,859E-2 N/m (25 °C)	Moist soil	Yes
Xylene	Koc	202	Henry	524,86 Pa·m³/mol
CAS: 1330-20-7	Conclusion	Moderate	Dry soil	Yes
EC: 215-535-7	Surface tension	Non-applicable	Moist soil	Yes
2-(2-heptadec-8-enyl-2-imidazolin-1-yl)ethanol	Koc	125200	Henry	6E-9 Pa·m³/mol
CAS: 95-38-5	Conclusion	Immobile	Dry soil	Non-applicable
EC: 202-414-9	Surface tension	Non-applicable	Moist soil	Non-applicable
Toluene	Koc	178	Henry	672,8 Pa·m³/mol
CAS: 108-88-3	Conclusion	Moderate	Dry soil	Yes
EC: 203-625-9	Surface tension	2,793E-2 N/m (25 °C)	Moist soil	Yes
2-butoxyethanol	Koc	8	Henry	1,621E-1 Pa·m³/mol
CAS: 111-76-2	Conclusion	Very High	Dry soil	No
EC: 203-905-0	Surface tension	2,729E-2 N/m (25 °C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment:

 $Product\ contains\ PBT/vPvB\ substances:\ Octamethylcyclotetrasiloxane,\ Decamethylcyclopentasiloxane$

12.6 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	Dangerous	

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

HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

Waste management (disposal and evaluation):

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

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-dangerous residue. We do not recommended disposal down the drain. 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 2019 and RID 2019:



14.1 UN number: UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3

Labels: 3

14.4 Packing group: III
14.5 Environmental hazards: No

14.6 Special precautions for user

Special regulations: 163, 367, 650

Tunnel restriction code: D/E

Physico-Chemical properties: see section 9

Limited quantities: 5 L

14.7 Transport in bulk according to Non-applicable Annex II of Marpol and the IBC Code:

Transport of dangerous goods by sea:

With regard to IMDG 39-18:



 14.1
 UN number:
 UN1263

 14.2
 UN proper shipping name:
 PAINT

 14.3
 Transport hazard class(es):
 3

 Labels:
 3

 14.4
 Packing group:
 III

 14.5
 Marine pollutant:
 No

14.6 Special precautions for user

Special regulations: 223, 955, 163, 367

EmS Codes: F-E, S-E
Physico-Chemical properties: see section 9

Limited quantities: 5 L

Segregation group: Non-applicable

14.7 Transport in bulk according to Non-applicable

Annex II of Marpol and the

IBC Code:

Transport of dangerous goods by air:

With regard to IATA/ICAO 2020:

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SECTION 14: TRANSPORT INFORMATION (continued)



14.1 UN number: UN1263
14.2 UN proper shipping name: PAINT
14.3 Transport hazard class(es): 3

Labels: 3
14.4 Packing group: III
14.5 Environmental hazards: No

14.6 Special precautions for user

Physico-Chemical properties: see section 9 **14.7 Transport in bulk according to** Non-applicable

Annex II of Marpol and the

IBC Code:

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 528/2012: contains a preservative to protect the initial properties of the treated article. Contains 2-phenoxyethanol, ethanol, ethanol.

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

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):

Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:

- metallic glitter intended mainly for decoration,
- artificial snow and frost,
- "whoopee" cushions,
- silly string aerosols,
- imitation excrement,
- horns for parties,
- decorative flakes and foams,
- artificial cobwebs,
- stink bombs.

Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:

'For professional users only'.

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 Octamethylcyclotetrasiloxane, Decamethylcyclopentasiloxane. 1. | Shall not be placed on the market in wash-off cosmetic products in a concentration equal to or greater than 0,1 % by weight of either substance, after 31 January 2020. | 2. | For the purposes of this entry, "wash-off cosmetic products" means cosmetic products as defined in Article 2(1)(a) of Regulation (EC) No 1223/2009 that, under normal conditions of use, are washed off with water after application.'

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Occupational exposure to respirable crystalline silica must be controlled pursuant to Directive (EU) 2019/130.

Specific provisions in terms of protecting people or the environment:

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SECTION 15: REGULATORY INFORMATION (continued)

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 (Regulation (EC) No 2015/830).

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

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

· New declared substances

Barium Sulfate (7727-43-7)

Quartz (RCS > 10%) (14808-60-7)

· Removed substances

2-butanone oxime (96-29-7)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- · Substances contained in EUH208:
 - Removed substances
 - 2-butanone oxime (96-29-7)

Texts of the legislative phrases mentioned in section 2:

- H336: May cause drowsiness or dizziness.
- H372: Causes damage to organs through prolonged or repeated exposure.
- H412: Harmful to aquatic life with long lasting effects.
- H226: Flammable liquid and vapour.

Texts of the legislative phrases mentioned in section 3:

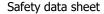
The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

CLP Regulation (EC) No 1272/2008:

- Acute Tox. 4: H302 Harmful if swallowed.
- Acute Tox. 4: H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.
- Acute Tox. 4: H312+H332 Harmful in contact with skin or if inhaled.
- Acute Tox. 4: H332 Harmful if inhaled.
- Aguatic Acute 1: H400 Very toxic to aguatic life.
- Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.
- Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.
- Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life.
- Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
- Eye Dam. 1: H318 Causes serious eye damage.
- 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.
- Repr. 2: H361 Suspected of damaging fertility or the unborn child.
- Repr. 2: H361d Suspected of damaging the unborn child.
- Repr. 2: H361f Suspected of damaging fertility.
- Skin Corr. 1C: H314 Causes severe skin burns and eye damage.
- Skin Irrit. 2: H315 Causes skin irritation.
- Skin Sens. 1: H317 May cause an allergic skin reaction.
- STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure (Inhalation).
- STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure.
- STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure (Oral).
- STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. STOT SE 3: H335 May cause respiratory irritation.
- STOT SE 3: H336 May cause drowsiness or dizziness.

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SECTION 16: OTHER INFORMATION (continued)

Classification procedure:

STOT SE 3: Calculation method STOT RE 1: Calculation method Aquatic Chronic 3: Calculation method

Flam. Liq. 3: Calculation method (2.6.4.3)

Advice related to training:

Minimal 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: 5-day biochemical oxygen demand BCF: Bioconcentration factor

LD50: Lethal Dose 50 LC50: Lethal Concentration 50 EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient Koc: Partition coefficient of organic carbon

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 -

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