

SAFETY DATA SHEET

according to Commission Regulation (EU) 2020/878



FLOIXEM® CF

	Precautionary statement(s) (Response)	
	P303+P361+P353 IF ON SKIN (or hair):	Remove contaminated clothing immediately. Wash skin with water or shower.
	P305+P351+P338 IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses if possible. Continue rinsing.
	P310	Immediately call a doctor, POISON CENTER
	Precautionary statement(s) (Disposal)	
P501	Dispose of contents/container to hazardous or special waste collection point	
Hazard determinant component(s) for labelling		
Phosphoric acid		

2.3. Other hazards

The product does not meet the PBT/vPvB criteria.

The product does not meet the criteria for endocrine disrupting properties.

SECTION 3. COMPOSITION/INFORMATION ON COMPONENTS

3.1 Substances

Not applicable.

3.2 Mixtures

Chemical description: Various product/s

Components:

According to Annex II of Regulation (EC) No 1907/2006 (point 3), the product presents:

Chemical name	CAS No.	EC No.	Content	Symbol(s)	Phrases
Phosphoric acid	7664-38-2	231-633-2	30-40 %	GHS05	H290 H302 H314
Citric acid monohydrate	5949-29-1	201-069-1	5-10 %	GHS07	H319 H335

See sections 11, 12 and 16 for more information about the dangers of the substances.

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The symptoms of intoxication can appear with at later than the exposition; therefore, in case of doubt, of direct exposure to the product or if feeling unwell, ask for medical attention showing the MSDS of this product.

If inhaled:

If symptoms of poisoning occur, remove the affected person from the exposure area and provide fresh air. Seek medical attention if symptoms worsen or persist.

On skin contact:

In case of contact, it is recommended to clean the affected area with water and neutral soap. In case of skin changes (stinging, redness, rash, blisters...) please seek medical advice using this safety data sheet. If the product causes burns, clothing should not be removed as it could aggravate the injury if it sticks to the skin. If blisters form on the skin, they should never be burst as this increases the risk of infection.

On eye contact:

Rinse the eyes with plenty of water at room temperature for at least 15 minutes. Avoid the affected person rubbing or closing their eyes. If the affected person wears contact lenses, these must be removed as long as they are not stuck to the eyes, otherwise additional damage may occur. In any case, you should go to the doctor as soon as possible after washing with the product's safety data sheet.

On accidental ingestion/inhalation:

Do not induce vomiting. In this case, keep your head tilted forwards to avoid aspiration. If you are unconscious, you may only administer anything orally under medical supervision. Rinse out the mouth and throat, as there is a possibility that these may have been affected by swallowing. Ensure that the patient remains calm.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3. Indication any medical attention and special treatments that should be dispensed immediately

Symptomatic treatment.

SECTION 5. FIRE-FIGHTING MEASURES**5.1 Extinguishing agents****Suitable extinguishing agents:**

The product is not flammable under normal conditions of storage, handling and use. In case of ignition due to improper handling, storage or use, preferably use multi-purpose powder extinguishers (ABC powder), water spray, carbon dioxide or foam according to local laws.

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**FLOIXEM® CF****Unsuitable extinguishing media:**

Full jet of water.

5.2 Special hazards arising from the substance or mixture

No further information available.

5.3. Advise for fire-fighters

Depending on the magnitude of the fire, it could be necessary the use of full protective clothing and a self-contained breathing apparatus. A minimum of emergency installations or response elements (fire blankets, first-aid kit, etc.) should be ready according to local laws.

Additional provisions:

Act according to the Site Emergency Plan and the Fact Sheets about response to accidents and other emergencies. Eliminate any ignition source. In case of fire, refrigerate the containers and storing tanks of products which could ignite, explode or BLEVE as a consequence of high temperatures. Avoid spilling into the aquatic environment the products used for fire extinguishing

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures.****For non-emergency service personnel:**

Isolate leaks when it does not entail an additional risk for the persons doing the task. When exposed to a potential product spill, the use of personal protection elements is mandatory (see section 8). Evacuate the area and keep unprotected persons away.

For emergency service personnel:

Always wear protection equipment. Keep unprotected persons away. See section 8.

6.2. Environmental precautions:

Avoid release into the environment. Store cleaning waters to dispose of them adequately. Keep the product away from drains and surface or underground water.

6.3 Methods and material for containment and cleaning up

Recommendation: Absorb with plenty of liquid-binding material (e.g. sand, diatomaceous earth, acid binder, universal binder). Use a neutralising agent.

Disposal instructions can be found in section 13.

6.4 Reference to other sections

See sections 8 and 13.

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Comply with current legislation on occupational risk prevention in terms of manual handling of loads and chemical products. Keep containers hermetically sealed. Avoid free spillage from the container. Maintain order, cleanliness and disposal by safe methods (section 6).

B.- Technical recommendations for fire and explosion prevention

Non-flammable product under normal conditions of storage, handling and use. Transfer at slow speeds is recommended to avoid generation of electrostatic charges that may affect flammable products. See section 10 for conditions and materials to avoid.

C.- Technical recommendations for ergonomic and toxicological risk prevention

For exposure control, see section 8. Do not eat, drink or smoke in working areas; wash hands after each use and remove contaminated clothes and protection equipment before entering eating areas.

D.- Technical recommendations for environmental risk prevention

It is recommended to have material for containment and cleanup around the product (see section 6.3).

7.2. Conditions for safe storage, including any incompatibilities**A.- Technical storing measures**

Minimum temperature: 5 °C
Maximum temperature: 40 °C
Maximum time: 24 months

B.- General storing conditions.

Store the product in the original container or in a container with a corrosion-resistant coating. Keep the container tightly closed. Store in a well-ventilated place. Store frozen.

Incompatible materials: Metals.

Further information can be found in section 10.5.

7.3 Specific final uses

Apart from the information already mentioned, it is not necessary to make any special recommendations for the use of this product.

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

Substances whose occupational exposure limits have to be controlled in the working environment:

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EU - Indicative Occupational Exposure Limit (IOEL)

Product		
Phosphoric acid CAS: 7664-38-2 EC: 231-633-2	IOEL TWA	1 mg/m ³
	IOEL STEL	2 mg/m ³
	Legal notice	COMMISSION DIRECTIVE 2000/39/EC
Phosphoric acid CAS: 7664-38-2 EC: 231-633-2	VLA-ED	1 mg/m ³
	VLA-EC	2 mg/m ³
	Legal notice	Occupational exposure limit values for chemical agents - Table 1: Occupational exposure limit values for environmental exposure

Germany - Limitation of exposure at the workplace (TRGS 900)

Product		
Phosphoric acid CAS: 7664-38-2 EC: 231-633-2	AGW (OEL TWA) [1]	2 mg/m ³ (E)
	Exceedance factor of the peak limitation	2(l)
	Remark	DFG - Senate Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area of the DFG (MAK Commission); EU - European Union (an air limit value has been set by the EU: Deviations in value and peak limitation are possible); AGS - Committee for Hazardous Substances; Y - There is no need to fear a risk of fruit damage if the occupational exposure limit value and the biological limit value (BGW) are complied with
	Legal reference	TRGS900
Citric acid monohydrate CAS: 5949-29-1 EC: 201-069-1	AGW (OEL TWA) [1]	2 mg/m ³ (E)
	Exceedance factor of the peak limitation	2(l)
	Remark	DFG - Senate Commission for the Investigation of Health Hazards of Chemical Agents of the DFG (MAK Commission); Y - There is no need to fear a risk of fruit damage if the occupational exposure limit value and the biological limit value (BGW) are complied with
	Legal reference	TRGS900

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DNEL -No information available.

PNEC

Product				
Citric acid monohydrate CAS: 5949-29-1 EC: 201-069-1	Sediment (fresh water)	7.52 mg/kg wet weight	Fresh water	0.44 mg/l
	Sediment (seawater)	0.752 mg/kg wet weight	Sea water	0.044 mg/l
	Floor	29.2 mg/kg wet weight		

8.2. Exposure controls


A.- Safety and hygiene measures in the working environment

In accordance with the priority order for occupational exposure control the localized extraction of the working area is recommended as a collective protection measure to avoid exceeding occupational exposure limits. If personal protective equipment is used, it should have the CE marking in accordance with current legislation. For more information regarding personal protective equipment (storage, use, cleaning, type of protection, etc.), see the information leaflet provided by the manufacturer. The instructions detailed in this point refer to pure product. Safety measures for diluted product may vary depending on the degree of dilution, use, application method, etc. In order to determine the obligation to install emergency showers and/or eyebath in warehouses, regulations referring to storage of chemical products should be followed. For more information, see points 7.1 and 7.2. This information is a recommendation. Risk prevention services should correct the information, it is unknown if the company has additional prevention measures or if they have been included in the appropriate risk evaluation.

B.- Respiratory protection

It is necessary to wear protection equipment if fog is generated or if occupational exposure limits apply (see section 8.1), use gas filter for organic gases/vapours (EN 136/140/141/145/143/149). Under normal conditions, respiratory protection is not required.

C.- Specific hand protection

Pictogram	Personal protective equipment	Marking	CEN standards	Notes
 Mandatory hand protection	Chemical-resistant gloves		EN ISO 374	Replace gloves at any sign of deterioration. For prolonged exposure to the product for professional/industrial users the use of CE III gloves according to EN ISO 21420 and EN ISO 374 is recommended.

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D.- Eye/Face protection

Pictogram	Personal protective equipment	Marking	CEN standards	Notes
 Mandatory face protection	Panoramic goggles against splash and/or projections		EN 166 EN ISO 4007	Clean daily and sanitize periodically according the instructions of the manufacturer. Recommended in case of splashing risk.

E.- Body protection

Pictogram	EPI	Macado	CEN standards	Observations
	Chemical-resistant work clothes			Replace when there are signs of deterioration. For long exposure to the product by professional/industrial users, the use of CE III is recommended according to the regulations EN ISO 6529, EN ISO 6530, EN ISO13688, EN 464.
	Non slip footwear		EN ISO 20347	Replace when there are signs of deterioration. For long exposure to the product by professional/industrial users, the use of CE III is recommended according to the regulations EN ISO 20345 y EN 13832-1

F. – Complementary emergency measures

Emergency measure	Regulations	Emergency measure	Regulations
 Emergency shower	ANSI Z358-1 ISO 3864-1 ISO 3864-4	 Eyebath	DIN 12 899 ISO 3864-1 ISO 3864-4

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Environmental exposure controls:

In accordance with the European 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 section 7.1.D.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

See the product's technical datasheet/specifications sheet for more information.

Physical state at 20 °C:

Appearance:	Liquid, ransparent liquid
Colour:	Colourless
Odour:	Not relevant *
Odour threshold:	Not relevant *

Volatility:

Boiling point at atmospheric pressure:	213°C
Vapour pressure at 20 °C:	Not relevant *
Vapour pressure at 50 °C:	Not relevant *
Evaporation rate at 20 °C:	Not relevant *

Characterisation of the product:

Density at 20 °C:	1.21 g/cm ³
Relative density at 20 °C:	Not relevant *
Dynamic viscosity at 20 °C:	Not relevant *
Cinematic viscosity at 20 °C:	Not relevant *
Cinematic viscosity at 40 °C:	Not relevant *
Concentration:	Not relevant *
pH:	<2
Vapour density at 20 °C:	Not relevant*
Partition coefficient n-octanol/water at 20 °C:	Not relevant *
Solubility in water at 20 °C:	Completely miscible with water
Solubility properties:	Not relevant *
Decomposition temperature:	Not relevant *
Melting/freezing point:	<0°C

Flammability:

Flash point:	No information available
Flammability (solid, gaseous):	Not flammable
Ignition temperature:	Not relevant *
Lower flammability limit:	Not relevant *
Upper flammability limit:	Not relevant *

Explosiveness (solid):

Lower explosion limit:	Not relevant *
Upper explosion limit:	Not relevant *

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Properties of the particles:

Equivalent average diameter: Not relevant *

*Not relevant due to the nature of the product as no characterising information regarding its hazard is provided.

9.2 Other information

Information about physical hazard types:

Explosive properties: The product is not explosive

Flammable properties: Not relevant *

Metal corrosion: Not relevant *

Heat of ignition: Not relevant *

Aerosols - total percentage (in mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *

Refractive index: Not relevant *

* Not relevant due to the nature of the product as no characterising information regarding its hazard is provided.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability

Stable under normal conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Corrosive to metals.

10.4 Conditions to avoid

None under the recommended storage and handling conditions (see section 7).

10.5 Incompatible materials

Metals.

10.6 Hazardous decomposition product(s)

Under normal conditions of storage and use, no hazardous decomposition products should be formed.

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**FLOIXEM® CF****SECTION 11. TOXICOLOGICAL INFORMATION****11.1. Information on the kinds of hazards defined in Regulation (EC) NO. 1272/2008****A. Ingestion (acute effect):**

- Acute toxicity: According to the available data, the criteria for classification are not met. See section 3 for more information.
- Corrosiveness/Irritability: According to the available data, the criteria for classification are not met. See section 3 for more information.

B.- Inhalation (acute effect):

- Acute toxicity: According to the available data, the criteria for classification are not met. See section 3 for more information.
- Corrosiveness/Irritability: According to the available data, the criteria for classification are not met. See section 3 for more information 3.

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

- Contact with skin: Causes severe skin burns.
- Eye contact: Causes serious eye irritation.

D.- CMR effects (carcinogenicity, mutagenicity and reproductive toxicity):

- Carcinogenicity: According to the available data, the criteria for classification are not met. See section 3 for more information. IARC: Not relevant.
- Mutagenicity: According to the available data, the criteria for classification are not met. See section 3 for more information.
- Reproductive toxicity: According to the available data, the classification criteria are not met. See section 3 for more information.

E.- Sensitisation effects:

- Respiratory: According to the available data, the criteria for classification are not met, not presenting any substance classified as hazardous with sensitization effects above the limits detailed in point 3.2 of Regulation (EC) 2020/878. For more information, see sections 2, 3 and 15.
- Cutaneous: According to the available data, the classification criteria are not met. See section 3 for more information.

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

According to the available data, the classification criteria are not met. See section 3 for more information.

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

- Toxicity specific target organ (STOT) for repeated exposure: According to the available data, the classification criteria are not met. See section 3 for more information.
- Skin: According to the available data, the classification criteria are not met. See section 3 for more information.

H.- Danger due to aspiration:

According to the available data, the classification criteria are not met. See section 3 for more information.

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Toxicological information specific to the substances:

ID Product	Acute toxicity			
Phosphoric acid CAS: 7664-38-2 EC: 231-633-2	Parameters	Value	Method	Species
	oral LD50	> 300 < 2000 mg/kg	OECD 401	Rat
	LD50 dermal	2740 mg/kg	-	Rabbit
	Specific target organ toxicity - repeated exposure			
	Parameters	Result	Method	Species
NOAEL (oral, 90 days)	250 mg/kg	OECD 422	Rat	
Citric acid monohydrate CAS: 5949-29-1 EC: 201-069-1	Acute toxicity			
	Parameters	Value	Method	Species
	oral LD50	3000 mg/kg	OECD 401	Rat
	LD50 dermal	> 2000 mg/kg	-	Rat
	Corrosion or irritation			
	Exposure path	Result	Method	Species
	Eyes	Irritating to the eyes	OECD 405	Rabbit
	Skin	Does not irritate the skin	OECD 404	Rabbit
	Specific target organ toxicity - single exposure			
Inhalation	May irritate the respiratory tract			

11.2 Information of other hazards

This product does not contain endocrine disrupting components that have an effect on human health.

No information on other adverse health effects is available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Specific aquatic toxicity of substances:

Acute toxicity

Product	Acute toxicity	Concentration	Method	Species
Phosphoric acid CAS: 7664-38-2 EC: 231-633-2	CE50 - Aquatic invertebrates	>100 mg/l	-	Large water flea
	EC50 - Algae	>100 mg/l	-	Desmodesmus subspicatus
Citric acid monohydrate CAS: 5949-29-1 EC: 201-069-1	CL50 (48 hours) - Fish	440 mg/l	OECD 203 static	Leuciscus ides
	EC50 (24 h) - Aquatic invertebrates	1535 mg/l	OECD 202 static	Large water flea

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The material is not classified as harmful to aquatic organisms (LC50/EC50/IC50 higher than 100 mg/l in the majority of sensitive species).

Long-term toxicity

Product	Chronic toxicity	Concentration	Method	Species
Citric acid monohydrate CAS: 5949-29-1 EC: 201-069-1	NOEC (8 days) - aquatic plants	425 mg/l	Static test	Leuciscus ides
	TT (16h) - Microorganisms	> 10000 mg/l	-	Pseudomonas putida

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility on site

No data available.

12.5 Results of the PBT and vPvB assessment

The product does not contain components considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB).

12.6 Endocrine disrupting properties

The product does not contain endocrine disrupting components that have an effect on the environment.

12.7 Other adverse effects

Not concerned by Regulation (EC) No 1005/2009 of the European Parliament and of the Council of 16 September 2009 on Substances that Deplete the Ozone Layer.

No information is available on other adverse effects on the environment.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Methods for waste treatment

Code	Description	Waste type (Regulation (EU) No. 1357/2014)
	It is not possible to assign a specific code, since it depends on the use to which the user intends it.	Hazardous

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

HP8 Corrosive - Skin corrosive





Waste management (disposal and recycling):

Consult the authorized waste manager about the operations of assessment and disposal in accordance with Annex I and Annex II (Directive 2008/98/EC). According to codes 15 01 (2014/955/EU), if the container has been in direct contact with the product, it will be processed in the same way as the product. If not, it will be processed as a non-hazardous waste. See point 6.2.

Legislative provisions related to waste management:

In accordance with Annex II of Regulation (EC) NO. 1907/2006 (REACH), these are the European provisions related to waste management: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) NO. 1357/2014.

SECTION 14. TRANSPORT INFORMATION

	ADR/RID	DNA	IMDG	IATA/ICAO
14.1 UN number or ID number	UN 1805	UN 1805	UN 1805	UN 1805
14.2. United Nations proper shipping name	Phosphoric acid in solution	Phosphoric acid in solution	Phosphoric acid in solution	Phosphoric acid in solution
14.3. Transport hazard class(es)	8 	8 	8 	8 
14.4 Packing group	III	III	III	III
14.5 Environmental hazards	NO	NO	NO	NO

14.6 Special precautions for users

Ground transport

Classification code (ADR):	C1
Limited quantities (ADR):	5L
allowances (ADR):	E1
Packaging regulations (ADR):	P001, IBC03, LP01, R001
Special regulations for mixed packaging (ADR):	MP19
Instructions for portable tanks and containers Bulk (ADR):	T4
Special provisions for mobile tankers and Large containers (ADR):	TP1
Tank coding (ADR):	L4BN
Vehicle for transport in tanks:	AT
Transport category (ADR):	3

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Special provisions for transport - parcels (ADR):	V12
Hazard identification number (Kemler number):	80
Orange-coloured plates:	<div style="border: 1px solid black; padding: 2px; display: inline-block; background-color: orange; color: black; font-weight: bold;">80</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; background-color: orange; color: black; font-weight: bold;">1805</div>
Tunnel restriction code (ADR):	E
Sea transport	
Special provision (IMDG):	223
Limited quantities (IMDG):	5L
Allowances (IMDG):	E1
Packaging instructions (IMDG):	P001, LP01
IBC packing instructions (IMDG):	IBC03
Instructions for cisterns (IMDG):	T4
Special provisions for tankers (IMDG):	TP1
EmS no. (fire):	F-A
EmS no. (accident release):	S-B
Stowage category (IMDG):	A
Segregation (IMDG):	SGG1, SG36, SG49
Properties and observations (IMDG):	Miscible with water. Slightly corrosive to most metals.
Air transport	
PCA-excepted quantities (IATA):	E1
PCA restricted quantities (IATA):	Y841
Maximum limited net amount PCA (IATA):	1L
Packing instructions for PCA (IATA):	852
GWP max. net amount (IATA):	5L
CAO packing instructions (IATA):	856
CAO max. net amount (IATA):	60L
Special regulations (IATA):	A3, A803
ERG code (IATA):	8L
Transport by water	
Classification code (DNA):	C1
Limited quantities (DNA):	5L
Released quantities (DNA):	E1
Authorised transport (DNA):	T
Necessary equipment (DNA):	PP, EP
Rail transport	
Number of blue cones/lights (DNA):	0
Classification code for rail transport (RID):	C1
Limited quantities (RID):	5L
allowances (RID):	E1
Packaging regulations (RID):	P001, IBC03, LP01, R001

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Special provisions for mixed packaging (RID):	MP19
Instructions for tankers and containers mass (RID):	T4
Special provisions for tankers and containers mass (RID):	TP1
Tank codes for RID tanks (RID):	L4BN
Special provisions for RID (RID) tankers:	TU42
Transport category (RID):	3
Special Conditions of Carriage - Packages (RID):	W12
Urgent goods (RID):	CE8
Hazard identification number (RID):	80

14.7 Transport in bulk at sea within the framework of IMO instruments

Non applicable.

SECTION 15. REGULATORY INFORMATION

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

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII of the REACH Regulation): Phosphoric acid.
- List of substances subject to authorisation (Annex XIV of REACH Regulation): Not relevant.
- Regulation (EU) No 649/2012 concerning the export and import of dangerous chemicals: Not relevant.
- Regulation (EU) No 2019/1021 on persistent organic pollutants: Not relevant.
- Regulation (EC) 1005/2009 on substances that deplete the ozone layer: Not relevant.

Seveso III:

Not relevant

Special provisions for the protection of people and the environment:

It is recommended to use the information compiled in this safety data sheet as a starting point for a risk assessment of local conditions in order to determine the necessary measures to avoid risks during handling, use, storage and disposal.

Other legislation:

Regulation EC No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and subsequent amendments.

Regulation EC No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006 and subsequent amendments.

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15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16. OTHER INFORMATION**Legislation applicable to safety data sheets:**

This safety data sheet has been prepared in accordance with ANNEX II-Guidance on the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Changes to the previous safety sheet that affect risk management measures:

Not relevant

Texts of the legal texts mentioned in section 2:

H290 May be corrosive to metals

H314 Causes severe skin burns and eye damage

Texts of the legal texts dealt with in section 3:

The formulations given do not refer to the product itself, but are for information purposes only and refer to the individual components listed in section 3.

Regulation No 1272/2008 (CLP):

Affected. Corr. 1: H290 Corrosive to metals, Category 1

Skin corr. 1B: H314 Skin corrosion/irritation, Category 1, Subcategory 1B

Tips for training:

To facilitate the understanding and interpretation of this safety data sheet and product labelling, minimum training in occupational risk prevention is recommended for personnel handling this product.

Main bibliographical sources:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Abbreviations and acronyms:

Safety data sheet: Safety data sheet

CAS: Chemical Abstracts Service - Division of the American Chemical Society

LD50: Lethal dose 50

LC50: Lethal concentration 50

EC50: Effective concentration 50

VOC: Volatile organic compounds

DNEL: No-effect level obtained: exposure level to the substance below which no adverse effects are expected and above which humans should not be exposed

vPvB: Very persistent/very bioaccumulative

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PBT: Persistent/bioaccumulative/toxic

STOT: Specific target organ toxicity

STP: Municipal water treatment plant

NOAEL: Value with no recognisable adverse effect. Highest dose at which no adverse effect is observed

OECD: Organisation for Economic Co-operation and Development

IARC: International Agency for Research on Cancer

PNEC: Predicted No Effect Concentration: Concentration of the substance at which no negative effects on environmental performance are to be expected.

QSAR: Quantitative structure-activity relationship

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

ADR: European Agreement concerning the International Carriage of Goods by Road

RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Dangerous Goods Code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation