

# SAFETY DATA SHEET

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

## CTX-53 Cleaning product for fibre swimming pools



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

#### 1.1 Product identifier.

Product Name: CTX-53 Cleaning product for fibre swimming pools

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

Cleaner

##### Uses advised against:

Uses other than those recommended.

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

Company: **Fluidra Comercial España**  
Address: Pintor Velazquez 10  
City: 08213 Polinyà  
Province: (Barcelona) Spain  
Telephone: 902 42 32 22  
Fax: +34 93 713 41 11  
E-mail: clientes@fluidra.es

#### 1.4 Emergency telephone number:

Anti poisoning centre:

ITALY (Rome): 06/305 43 43

ITALY (Milan): 02/66 10 10 29

SPAIN: +34 91 562 04 20

FRANCE (Paris): 01 40 05 48 48

FRANCE (Toulouse): 05 61 77 74 47

FRANCE (Marseille): 04 91 75 25 25

PORTUGAL: 808 250 143

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the mixture.

In accordance with Regulation (EU) No 1272/2008:

Eye Dam. 1 : Causes serious eye damage.

Skin Corr. 1B : Causes severe skin burns and eye damage.

STOT SE 3 : May cause respiratory irritation.

#### 2.2 Label elements.

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

Pictograms:



Signal Word:

**Danger**

H statements:

H314

Causes severe skin burns and eye damage.

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H335 May cause respiratory irritation.

### P statements:

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P310 Immediately call a POISON CENTER/doctor/...  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with applicable regulations.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Contains:

ammonium bifluoride, ammonium hydrogen difluoride  
phosphoric acid, orthophosphoric acid  
hydrochloric acid

### 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:

Identifiers	Name	Concentrate	(*)Classification - Regulation (EC) No 1272/2008	
			Classification	specific concentration limit
Index No: 015-011-00-6 CAS No: 7664-38-2 EC No: 231-633-2 Registration No: 01-2119485924-24-XXXX	[1] phosphoric acid, orthophosphoric acid	10 - 25 %	Skin Corr. 1B, H314	Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %
Index No: 017-002-01-X EC No: 231-595-7	hydrochloric acid	10 - 25 %	Skin Corr. 1B, H314 - STOT SE 3, H335	Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 % STOT SE 3, H335: C ≥ 10 %

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Index No: 603-014-00-0 CAS No: 111-76-2 EC No: 203-905-0 Registration No: 01-2119475108-36-XXXX	[1] 2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	1 - 10 %	Acute Tox. 4 *, H312 - Acute Tox. 4 *, H332 - Acute Tox. 4 *, H302 - Eye Irrit. 2, H319 - Skin Irrit. 2, H315	-
Index No: 009-009-00-4 CAS No: 1341-49-7 EC No: 215-676-4 Registration No: 01-2119489180-38-XXXX	[1] ammonium bifluoride, ammonium hydrogen difluoride	1 - 10 %	Acute Tox. 3 *, H301 - Skin Corr. 1B, H314	Skin Corr. 1B, H314: C ≥ 1 % Skin Irrit. 2, H315: 0,1 % ≤ C < 1 % Eye Irrit. 2, H319: 0,1 % ≤ C < 1 %

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

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

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

### 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.

#### Inhalation.

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.

#### Eye 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.

Remove the person from the contaminated area.

If the person is unconscious, lay on his side with head lower and knees half bent.

Keep body temperature.

Move to the intoxicated person to a hospital and, whenever possible, bring the container or label.

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

OBTAIN IMMEDIATE MEDICAL ATTENTION.

Wash thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water.

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

Corrosive Product, contact with eyes or skin can cause burns; ingestion or inhalation can cause internal damage, if this occurs immediate medical assistance is required.

Contact with skin: irritation.

Contact with eyes: irritation.

Swallowing: irritation to mucosal and digestive tract corrosion.

Nausea

Vomiting

Delayed hypersensitivity

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Hepatic-renal disorders and neurotoxic.

Inhalation: irritation to mucosal and respiratory tract.

### **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.

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

The dilution with water or milk is appropriate if there was no vomiting (adults from 120 - 140 ml, children do not exceed 120 ml).

Contraindication: Neutralization with bicarbonate.

In case of ingestion, assess the performance of an endoscopy.

Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES.

The product is NOT classified as flammable, in case of fire the following measures should be taken:

### **5.1 Extinguishing media.**

#### **Recommended extinguishing methods.**

Extinguisher powder or CO<sub>2</sub>. 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.

## 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.

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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 at room temperature, 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).

None in particular.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1 Control parameters.

Work exposure limit for:

Name	CAS No.	Country	Limit value	ppm	mg/m <sup>3</sup>
phosphoric acid, orthophosphoric acid	7664-38-2	European Union [1]	Eight hours		1
			Short term		2
		United Kingdom [2]	Eight hours		1
			Short term		2
2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	111-76-2	European Union [1]	Eight hours	20 (skin)	98 (skin)
			Short term	50 (skin)	246 (skin)
		United Kingdom [2]	Eight hours	25	123
			Short term	50	246
ammonium bifluoride, ammonium hydrogen difluoride	1341-49-7	European Union [1]	Eight hours		2,5
			Short term		

[1] According both Binding Occupational Exposure Limits (BOELVs) and Indicative Occupational Exposure Limits (IOELVs) adopted by Scientific Committee for Occupational Exposure Limits to Chemical Agents (SCOEL).

[2] According Limit Value (IOELV) list in 2nd Indicative Occupational Exposure adopted by Health and Safety Executive.

The product does NOT contain substances with Biological Limit Values.

Concentration levels DNEL/DMEL:

Name	DNEL/DMEL	Type	Value
phosphoric acid, orthophosphoric acid N. CAS: 7664-38-2 N. CE: 231-633-2	DNEL (Workers)	Inhalation, Long-term, Local effects	1 (mg/m <sup>3</sup> )
	DNEL (General population)	Inhalation, Long-term, Local effects	0,73 (mg/m <sup>3</sup> )
	DNEL (Workers)	Inhalation, Acute, Local effects	2 (mg/m <sup>3</sup> )
2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether N. CAS: 111-76-2 N. CE: 203-905-0	DNEL (Workers)	Inhalation, Long-term, Systemic effects	98 (mg/m <sup>3</sup> )
ammonium bifluoride, ammonium hydrogen difluoride N. CAS: 1341-49-7 N. CE: 215-676-4	DNEL (Workers)	Inhalation, Long-term, Systemic effects	2,3 (mg/m <sup>3</sup> )

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.

CAS: 7664-38-2

TLV TWA - 1 mg/m<sup>3</sup>

TLV STEL - 3 mg/m<sup>3</sup>

CAS: 111-76-2

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TLV TWA - 20 ppm, A3 - 96,66 mg/m<sup>3</sup>, A3  
TLV STEL - A3  
VLE 8h - 98 mg/m<sup>3</sup> - 20 ppm  
VLE short - 246 mg/m<sup>3</sup> - 50 ppm  
**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.

<b>Concentration:</b>	<b>100 %</b>				
<b>Uses:</b>	<b>Cleaner</b>				
<b>Breathing protection:</b>					
If the recommended technical measures are observed, no individual protection equipment is necessary.					
<b>Hand protection:</b>					
PPE:	Non-disposable protective gloves against chemicals.				
Characteristics:	«CE» marking, category III. Check the list of chemicals for which the glove has been tested.				
CEN standards:	EN 374-1, En 374-2, EN 374-3, EN 420				
Maintenance:	A schedule for the periodical replacement of gloves should be established in order to guarantee their replacement before pollutants permeate them. The use of contaminated gloves could be more dangerous than not using gloves, since the pollutant can gradually accumulate in the glove's material.				
Observations:	They are to be replaced whenever tears, cracks or deformations are observed or when exterior dirt could reduce their strength.				
Material:	PVC (polyvinyl chloride)	Breakthrough time (min.):	> 480	Material thickness (mm):	0,35
<b>Eye protection:</b>					
PPE:	Protective goggles with built-in frame.				
Characteristics:	«CE» marking, category II. Eye protector with built-in frame for protection against dust, smoke, fog and vapour.				
CEN standards:	EN 165, EN 166, EN 167, EN 168				
Maintenance:	Visibility through lenses should be ideal. Therefore, these parts should be cleaned daily. Protectors should be disinfected periodically following the manufacturer's instructions.				
Observations:	Some signs of wear and tear include: yellow colouring of the lenses, superficial scratching of the lenses, scraping etc.				
<b>Skin protection:</b>					
PPE:	Chemical protective clothing				
Characteristics:	«CE» marking, category III. Clothing should fit properly. The level of protection must be set according to a test parameter called BT (Breakthrough Time), which indicates how long it takes for the chemical to pass through the material.				
CEN standards:	EN 464, EN 340, EN 943-1, EN 943-2, EN ISO 6529, EN ISO 6530, EN 13034				
Maintenance:	In order to guarantee uniform protection, follow the washing and maintenance instructions provided by the manufacturer.				
Observations:	The protective clothing's design should facilitate correct positioning, staying in place without moving for the period of use expected, bearing in mind environmental factors as well as any movement or position the user might adopt while carrying out the activity.				
PPE:	Anti-static safety footwear against chemicals.				
Characteristics:	«CE» marking, category III. Check the list of chemicals against which the footwear is resistant.				
CEN standards:	EN ISO 13287, EN 13832-1, EN 13832-2, EN 13832-3, EN ISO 20344, EN ISO 20345				
Maintenance:	For correct maintenance of this kind of safety footwear, it is necessary to observe the instructions specified by the manufacturer. The footwear should be replaced as soon as any sign of damage is observed.				
Observations:	The footwear should be cleaned regularly and dried when damp, although it should not be placed too close to a source of heat in order to avoid any sharp changes in temperature.				

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties.

Appearance: Liquid

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Colour: Intense orange  
Odour: Characteristic (spicy)  
Odour threshold: N.A./N.A.  
pH: 0,1 - 1 (20 °C) (5%)  
Melting point: N.A./N.A.  
Boiling Point: > 100 °C  
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: 1.23 - 1.27 g/cm<sup>3</sup>  
Solubility: N.A./N.A.  
Liposolubility: Etanol, éter, benceno, acetona  
Hydrosolubility: 100 %  
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.  
Oxidizing properties: No aplicable

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

### 9.2. Other information.

## 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.

**2-butoxyethanol and its acetate are easily absorbed** by the skin and can cause noxious effects to the kidneys.

### 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.

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

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Name	Acute toxicity			
	Type	Test	Kind	Value
phosphoric acid, orthophosphoric acid CAS No: 7664-38-2    EC No: 231-633-2	Oral	LD50 [1] OCDE423	Rat	2600 mg/kg [1]
	Dermal			
	Inhalation			
hydrochloric acid CAS No:                    EC No: 231-595-7	Oral	LD50	Rat	700 mg/kg
	Dermal	LD50	Rabbit	> 5010 mg/kg
	Inhalation	LC50	Rat	4.6 mg/l
2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether CAS No: 111-76-2    EC No: 203-905-0	Oral	LD50 [1] OCDE 401	Rat	1300 mg/kg [1]
	Dermal	LD50 [1] OCDE 402	Rat	> 2000 mg/kg [1]
	Inhalation	LC50 [1] OCDE	Rat	450 ppm (4 h) [1]
ammonium bifluoride, ammonium hydrogen difluoride CAS No: 1341-49-7    EC No: 215-676-4	Oral	LD50	Rat	130 mg/kg
	Dermal			
	Inhalation			

a) acute toxicity;  
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Dermal) = 16149 mg/kg  
ATE (Oral) = 2323 mg/kg

b) skin corrosion/irritation;  
Product classified:  
Skin Corrosive, Category 1B: Causes severe skin burns and eye damage.

c) serious eye damage/irritation;  
Product classified:  
Serious eye damage, Category 1: Causes serious eye damage.

d) respiratory or skin sensitisation;  
Not conclusive data for classification.

e) germ cell mutagenicity;  
Not conclusive data for classification.

f) carcinogenicity;  
Not conclusive data for classification.

g) reproductive toxicity;  
Not conclusive data for classification.

h) STOT-single exposure;  
Product classified:  
Specific target organ toxicity following a single exposure, Category 3:



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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			
	Type	Test	Kind	Value
phosphoric acid, orthophosphoric acid  CAS No: 7664-38-2    EC No: 231-633-2	Fish			
	Aquatic invertebrates	EC50	Daphnia magna	>100 mg/L (48 h) [1]
	Aquatic plants	EC50	Desmodesmus subspicatus	>100 mg/L (72 h) [1]
hydrochloric acid  CAS No:                    EC No: 231-595-7	Fish	LC50	Fish	282 mg/l (96 h)
	Aquatic invertebrates	EC50	Daphnia	56 mg/l (72 h)
	Aquatic plants			
2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether  CAS No: 111-76-2    EC No: 203-905-0	Fish	LC50 NOEC	Fish Fish	1250 ppm (96 h) > 100 mg/l
	Aquatic invertebrates	EC50 NOEC	Daphnia Daphnia	1550 ppm (48 h) 100 mg/l
	Aquatic plants	EC50 NOEC	Algae Algae	911 mg/l (72 h) 88 mg/l (72 h)
ammonium bifluoride, ammonium hydrogen difluoride  CAS No: 1341-49-7    EC No: 215-676-4	Fish			
	Aquatic invertebrates			
	Aquatic plants	EC50		43 mg/l

#### 12.2 Persistence and degradability.

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

#### 12.3 Bioaccumulative potential.

Information about the bioaccumulation of the substances present.

Name	Bioaccumulation			
	Log Pow	BCF	NOECs	Level
2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether N. CAS: 111-76-2                    EC No: 203-905-0	0,8	-	-	Very low

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### 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.

Transport following ADR rules for road transport, RID rules for railway, ADN for inner waterways, IMDG for sea, and ICAO/IATA for air transport.

**Land:** Transport by road: ADR, Transport by rail: RID.

Transport documentation: Consignment note and written instructions

**Sea:** Transport by ship: IMDG.

Transport documentation: Bill of lading

**Air:** Transport by plane: ICAO/IATA.

Transport document: Airway bill.

### 14.1 UN number.

UN No: UN1760

### 14.2 UN proper shipping name.

Description: UN 1760, CORROSIVE LIQUID, N.O.S. (CONTAINS PHOSPHORIC ACID, ORTHOPHOSPHORIC ACID / HYDROCHLORIC ACID), 8, PG II, (E)

### 14.3 Transport hazard class(es).

Class(es): 8

### 14.4 Packing group.

Packing group: II

### 14.5 Environmental hazards.

Marine pollutant: No

### 14.6 Special precautions for user.

Labels: 8



Hazard number: 80

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ADR LQ: 1 L

Provisions concerning carriage in bulk ADR: Not authorized carriage in bulk in accordance with ADR.  
Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): F-A,S-B  
Proceed in accordance with point 6.

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

The product is not transported in bulk.

## 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.

See annex I of the Directive 96/82/EC of 9 December 1996 on the control of major-accident hazards involving dangerous substances.

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.

### 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:

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

Classification codes:

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

Acute Tox. 4 [Dermal] : Acute toxicity (Dermal), Category 4

Acute Tox. 4 [Inhalation] : Acute toxicity (Inhalation), Category 4

Acute Tox. 4 [Oral] : Acute toxicity (Oral), Category 4

Eye Dam. 1 : Serious eye damage, Category 1

Eye Irrit. 2 : Eye irritation, Category 2

Skin Corr. 1B : Skin Corrosive, Category 1B

Skin Irrit. 2 : Skin irritant, Category 2

STOT SE 3 : Specific target organ toxicity following a single exposure, Category 3

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

### **Labelling in accordance with Directive 1999/45/EC:**

Symbols:

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



## CTX-53 Cleaning product for fibre swimming pools

Version: 1

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Corrosive

### R Phrases:

- R22 Harmful if swallowed.  
R35 Causes severe burns.  
R37/38 Irritating to respiratory system and skin.

### S Phrases:

- S20 When using do not eat or drink.  
S25 Avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).  
S46 If swallowed, seek medical advice immediately and show this container or label.  
S1/2 Keep locked up and out of the reach of children.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

### Contains:

ammonium bifluoride, ammonium hydrogen difluoride  
phosphoric acid, orthophosphoric acid  
hydrochloric acid

Information on the TSCA Inventory (Toxic Substances Control Act) USA:

CAS No	Name	State
7664-38-2	phosphoric acid, orthophosphoric acid	Registered
	hydrochloric acid	
111-76-2	2-butoxyethanol, butyl cellosolve, ethylene glycol monobutyl ether	Registered
1341-49-7	ammonium bifluoride, ammonium hydrogen difluoride	Registered

### Abbreviations and acronyms used:

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
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.  
IATA: International Air Transport Association.  
IMDG: International Maritime Code for Dangerous Goods.  
LC50: Lethal concentration, 50%.  
LD50: Lethal dose, 50%.  
Log Pow: Logarithm of the partition octanol-water.  
NOEC: No observed effect concentration.  
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.

### 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,

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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.