

# SAFETY DATA SHEET

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



## CTX-700 Anticalcareous Super

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

#### 1.1 Product identifier.

Product Name: CTX-700 Anticalcareous Super

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

Anti-scale

##### 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.

Met. Corr. 1 : May be corrosive to metals.

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

#### 2.2 Label elements.

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

Pictograms:



Signal Word:

**Danger**

H statements:

H290

May be corrosive to metals.

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H314 Causes severe skin burns and eye damage.

### P statements:

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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:  
phosphorous acid  
etidronic 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
CAS No: 2809-21-4 EC No: 220-552-8 Registration No: 01-2119510391-53-XXXX	etidronic acid	25 - 50 %	Acute Tox. 4, H302 - Eye Dam. 1, H318 - Met. Corr. 1, H290	-
CAS No: 37971-36-1 EC No: 253-733-5 Registration No: 01-2119436643-39-XXXX	2-phosphonobutane-1,2,4-tricarboxylic acid	25 - 50 %	Eye Irrit. 2, H319 - Met. Corr. 1, H290	-
Index No: 015-157-00-0 CAS No: 13598-36-2 EC No: 237-066-7 Registration No: 01-2119488030-46-XXXX	phosphorous acid	1 - 5 %	Acute Tox. 4 *, H302 - Skin Corr. 1A, H314	-
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	0 - 5 %	Skin Corr. 1B, H314	Skin Corr. 1B, H314: C ≥ 25 % Skin Irrit. 2, H315: 10 % ≤ C < 25 % Eye Irrit. 2, H319: 10 % ≤ C < 25 %

(\*) 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).

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### 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

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.

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### **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.

In the application area, smoking, eating, and drinking must be prohibited.

Follow legislation on occupational health and safety.

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

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

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

Classification and threshold amount of storage in accordance with Annex I to Directive 2012/18/EU (SEVESO III)::

Code	Description	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	100	200

### **7.3 Specific end use(s).**

None in particular.

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### 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]	<b>Eight hours</b>		1
			<b>Short term</b>		2
		United Kingdom [2]	<b>Eight hours</b>		1
			<b>Short term</b>		2

[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
etidronic acid N. CAS: 2809-21-4 N. CE: 220-552-8	DNEL (Workers)	Oral, Long-term, Systemic effects	13 (mg/kg)
2-phosphonobutane-1,2,4-tricarboxylic acid N. CAS: 37971-36-1 N. CE: 253-733-5	DNEL (Workers)	Inhalation, Long-term, Systemic effects	15 (mg/m <sup>3</sup> )
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> )

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.

Concentration levels PNEC:

Name	Details	Value
etidronic acid N. CAS: 2809-21-4 N. CE: 220-552-8	marine water	0,0139 (mg/l)
	Sediment (freshwater)	59 (mg/kg)
	Sediment (marine water)	5,9 (mg/kg)
	Soil	96 (mg/kg)

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

CAS: 7664-38-2

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

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

#### 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>Anti-scale</b>
<b>Breathing protection:</b>	
PPE:	Filter mask for protection against gases and particles.



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Characteristics:	«CE» marking, category III. The mask must have a wide field of vision and an anatomically designed form in order to be sealed and watertight.		
CEN standards:	EN 136, EN 140, EN 405		
Maintenance:	Should not be stored in places exposed to high temperatures and damp environments before use. Special attention should be paid to the state of the inhalation and exhalation valves in the face adaptor. Read carefully the manufacturer's instructions regarding the equipment's use and maintenance. Attach the necessary filters to the equipment according to the specific nature of the risk (Particles and aerosols: P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Observations:	P1-P2-P3, Gases and vapours: A-B-E-K-AX), changing them as advised by the manufacturer.		
Filter Type needed:	A2		
<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

Colour: Colourless

Odour: Characteristic

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

pH: 0,1 - 1 (20 °C)

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Melting point: N.A./N.A.  
Boiling Point: 104 °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: 1.31 - 1.41 (20 °C) g/cm<sup>3</sup>  
Solubility: N.A./N.A.  
Liposolubility: N.A./N.A.  
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 applicable

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.

### 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.

Name	Acute toxicity			
	Type	Test	Kind	Value
etidronic acid	Oral	LD50	Rat	1878 mg/kg
	Dermal	LD50	Rabbit	> 6000 mg/kg

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CAS No: 2809-21-4    EC No: 220-552-8	Inhalation			
2-phosphonobutane-1,2,4-tricarboxylic acid	Oral	LD50	Rat	>6500 mg/kg
	Dermal	LD50	Rat	>4000 mg/kg
CAS No: 37971-36-1    EC No: 253-733-5	Inhalation			
phosphorous acid	Oral	LD50	Rat	1580 mg/kg
	Dermal			
CAS No: 13598-36-2    EC No: 237-066-7	Inhalation			
phosphoric acid, orthophosphoric acid	Oral	LD50	Rat	2600 mg/kg [1]
				[1] OCDE423
	Dermal			
CAS No: 7664-38-2    EC No: 231-633-2	Inhalation			

a) acute toxicity;  
Not conclusive data for classification.

Acute Toxicity Estimate (ATE):  
Mixtures:  
ATE (Oral) = 1613 mg/kg

b) skin corrosion/irritation;  
Product classified:  
Skin Corrosive, Category 1A: 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;  
Not conclusive data for classification.

i) STOT-repeated exposure;  
Not conclusive data for classification.

j) aspiration hazard;  
Not conclusive data for classification.

### SECTION 12: ECOLOGICAL INFORMATION.

#### 12.1 Toxicity.

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Name	Ecotoxicity			
	Type	Test	Kind	Value
etidronic acid CAS No: 2809-21-4    EC No: 220-552-8	Fish	LC50	Peces	195 mg/l (96 h)
	Aquatic invertebrates	EC50	Daphnia	> 527 mg/kg (96 h)
	Aquatic plants			
2-phosphonobutane-1,2,4-tricarboxylic acid CAS No: 37971-36-1    EC No: 253-733-5	Fish	LC50	Fish	> 1042 mg/l (96 h)
	Aquatic invertebrates	EC50	Daphnia magna	>1071 mg/l (48h)
	Aquatic plants	EC50	Algae	> 1081 mg/l (72 h)
phosphorous acid CAS No: 13598-36-2    EC No: 237-066-7	Fish			
	Aquatic invertebrates	EC50	Daphnia magna	>1000 mg/l (48h)
	Aquatic plants	EC50		>100 mg/l (72h)
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] [1] study report, 2010
	Aquatic plants	EC50	Desmodesmus subspicatus	>100 mg/L (72 h) [1] [1] study report, 2010

### 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-phosphonobutane-1,2,4-tricarboxylic acid N. CAS: 37971-36-1    EC No: 253-733-5	1,36	-	-	Very low

### 12.4 Mobility in soil.

No information is available about the mobility in soil.  
The product must not be allowed to go into sewers or waterways.  
Prevent penetration into the ground.

### 12.5 Results of PBT and vPvB assessment.

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

### 12.6 Other adverse effects.

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

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### 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: UN3265

#### 14.2 UN proper shipping name.

Description: UN 3265, CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (CONTAINS PHOSPHOROUS ACID / PHOSPHORIC ACID, ORTHOPHOSPHORIC ACID), 8, PG III, (E)

#### 14.3 Transport hazard class(es).

Class(es): 8

#### 14.4 Packing group.

Packing group: III

#### 14.5 Environmental hazards.

Marine pollutant: No

#### 14.6 Special precautions for user.

Labels: 8



Hazard number: 80

ADR LQ: 5 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.

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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.

Product classification according to Annex I of Directive 2012/18/EU (SEVESO III): E1

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:

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Classification codes:

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

Eye Dam. 1 : Serious eye damage, Category 1

Eye Irrit. 2 : Eye irritation, Category 2

Met. Corr. 1 : Corrosive to metals, Category 1

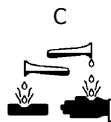
Skin Corr. 1A : Skin Corrosive, Category 1A

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

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:



Corrosive

R Phrases:

R35 Causes severe burns.

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:

phosphorous acid

-Continued on next page.-

# SAFETY DATA SHEET

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



## CTX-700 Anticalcareous Super

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etidronic acid

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

CAS No	Name	State
2809-21-4	etidronic acid	Registered
37971-36-1	2-phosphonobutane-1,2,4-tricarboxylic acid	Registered
13598-36-2	phosphorous acid	Registered
7664-38-2	phosphoric acid, orthophosphoric acid	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.

PNEC: Predicted No Effect Concentration, concentration of the substance below which adverse effects are not expected in the environmental compartment.

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, 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.