

# SAFETY DATA SHEET

(in accordance with Regulation (EU) 2020/878)



## 0021-ctx21 Alka Plus

Version 1 Date of compilation: 14/09/2018

Version 6 (replaces version 5)

Revision date: 17/11/2022

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

#### 1.1 Product identifier.

Product Name: ctx21 Alka Plus  
Product Code: 0021  
Chemical Name: Sodium hydrogencarbonate  
CAS No: 144-55-8  
EC No: 205-633-8  
Registration No: 01-2119457606-32-XXXX

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

Alcalinity enhancer

#### Uses advised against:

Uses other than those recommended.

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

Company: **FLUIDRA COMMERCIAL FRANCE**  
Address: Avenue Maurice Bellonte,  
City: 66 000 PERPIGNAN  
Province: FRANCE  
Telephone: Tel: 04 11 300 200  
Fax: +34 93 713 41 11  
E-mail: fds@inquide.com  
Web: www.ctxprofessional.com

#### 1.4 Emergency telephone number: (Available 24 hours)

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

BELGIQUE (Brussel): (+32) 070 245 245

Sweden: 112 - Begär Giftinformation (ask for Poisons Information)

Denmark (Giftlinjen): +45 8212 1212

Finland: 0800 147 111

Norway: +47 22 59 13 00

Cyprus: 1401

Greece: (0030) 2107793777

Netherlands (NVIC): +31 (0)88 755 8000

Romania: +4021 318 360 6 Biroul RSI Si Informare Toxicologica

Apelabil de luni pâna vineri, între orele 8.00-15.00

CAV acreditati: Roma +39 06 68 59 3726; Foggia +39 800 18 34 59; Napoli +39 081 54 53 333; Roma +39 06 49 97 80 00;

Roma +39 06 30 54 343; Firenze +39 055 79 47 819; Pavia +39 0382 24 444; Milano +39 02 66 10 10 29; Bergamo +39 800 88

33 00; Verona +39 800 01 18 58.

### SECTION 2: HAZARDS IDENTIFICATION.

#### 2.1 Classification of the substance or mixture.

The product is not classified as hazardous within the meaning of Regulation (EU) No 1272/2008.

#### 2.2 Label elements.

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Precautionary statements:

- P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.

Contains:

Sodium hydrogencarbonate

### 2.3 Other hazards.

The substance is not PBT  
The substance is not vPvB  
Substance does not have endocrine disrupting properties.

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.

| Identifiers                          | Name                     | Concentrate | (*)Classification - Regulation (EC) No 1272/2008 |  |
|--------------------------------------|--------------------------|-------------|--|--|
|                                      |                          |             | Classification                                   | Specifics concentration limits and Acute toxicity estimate |
| CAS No: 144-55-8<br>EC No: 205-633-8 | Sodium hydrogencarbonate | 80 - 100 %  | -  | -  |

### 3.2 Mixtures.

Not Applicable.

## SECTION 4: FIRST AID MEASURES.

### 4.1 Description of first aid measures.

Due to the composition and type of the substances present in the product, no particular warnings are necessary.

#### Inhalation.

If breathing stops, give artificial respiration and seek immediate medical attention. Take the victim into open air; keep them warm and calm. If breathing is irregular or stops, perform artificial respiration.

#### Eye contact.

Remove contact lenses, if present and if it is easy to do. Wash eyes with plenty of clean and cool water for at least 10 minutes while pulling eyelids up, and seek medical assistance. Dont let the person to rub the affected eye.

#### Skin contact.

Remove contaminated clothing.

#### Ingestion.

Keep calm. NEVER induce vomiting.

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

No known acute or delayed effects from exposure to the product.

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

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

### SECTION 5: FIREFIGHTING MEASURES.

#### 5.1 Extinguishing media.

##### **Suitable extinguishing media:**

Extinguisher powder or CO<sub>2</sub>. In case of more serious fires, also alcohol-resistant foam and water spray.

##### **Unsuitable extinguishing media:**

Do not use a direct stream of water to extinguish. In the presence of electrical voltage, you cannot use water or foam as extinguishing media.

#### 5.2 Special hazards arising from the substance or mixture.

##### **Special risks.**

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.

##### **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 boots.

### 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.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

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

Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

#### 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.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

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

Follow legislation on occupational health and safety.

Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

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

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided.

Keep away from oxidising agents and from highly acidic or alkaline materials.

Store the containers between 5 and 35 ° C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label. 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.

The product does NOT contain substances with Professional Exposure Environmental Limit Values. The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.

#### Measures of a technical nature:

|  |  |                           |       |
|--|--|---------------------------|-------|
| <b>Concentration:</b>  | 100 %  |                           |       |
| <b>Uses:</b>   | Alcalinity enhancer  |                           |       |
| <b>Breathing protection:</b>   |  |                           |       |
| If the recommended technical measures are observed, no individual protection equipment is necessary. |  |                           |       |
| <b>Hand protection:</b>  |  |                           |       |
| PPE:   | Work gloves.   |                           |       |
| Characteristics:   | «CE» marking, category I.  |                           |       |
| CEN standards:   | EN 374-1, En 374-2, EN 374-3, EN 420   |                           |       |
| Maintenance:   | Keep in a dry place, away from any sources of heat, and avoid exposure to sunlight as much as possible. Do not make any changes to the gloves that may alter their resistance, or apply paints, solvents or adhesives. |                           |       |
| Observations:  | Gloves should be of the appropriate size and fit the user's hand well, not being too loose or too tight. Always use with clean, dry hands.   |                           |       |
| Material:  | PVC (polyvinyl chloride)   | Breakthrough time (min.): | > 480 |
|  |  | Material thickness (mm):  | 0,35  |
| <b>Eye protection:</b>   |  |                           |       |
| If the product is handled correctly, no individual protection equipment is necessary.                |  |                           |       |
| <b>Skin protection:</b>  |  |                           |       |
| PPE:   | Work footwear.   |                           |       |
| Characteristics:   | «CE» marking, category II.   |                           |       |
| CEN standards:   | EN ISO 13287, EN 20347   |                           |       |
| Maintenance:   | This product adapts to the first user's foot shape. That is why, as well as for hygienic reasons, it should not be used by other people.   |                           |       |
| Observations:  | Work footwear for professional use includes protection elements aimed at protecting users against any injury resulting from an accident  |                           |       |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

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

Physical state: Solid - Dust

Colour: White

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Odour: Odourless

Odour threshold: Not applicable/Not available due to the nature/properties of the product

Melting point: Not applicable/Not available due to the nature/properties of the product

Freezing point: Not applicable/Not available due to the nature/properties of the product

Boiling point or initial boiling point and boiling range: Not applicable/Not available due to the nature/properties of the product

Flammability: Not applicable/Not available due to the nature/properties of the product

Lower explosion limit: Not applicable/Not available due to the nature/properties of the product

Upper explosion limit: Not applicable/Not available due to the nature/properties of the product

Flash point: Not applicable/Not available due to the nature/properties of the product

Auto-ignition temperature: Not applicable/Not available due to the nature/properties of the product

Decomposition temperature: Not applicable/Not available due to the nature/properties of the product

pH: 8.5 (1%)

Kinematic viscosity: Not applicable/Not available due to the nature/properties of the product

Solubility: 1 kg/10.4 lt

Hydrosolubility: Not applicable/Not available due to the nature/properties of the product

Liposolubility: Muy ligeramente soluble en alc

Partition coefficient n-octanol/water (log value): Not applicable/Not available due to the nature/properties of the product

Vapour pressure: Not applicable/Not available due to the nature/properties of the product

Absolute density: Not applicable/Not available due to the nature/properties of the product

Relative density: 2,22

Relative vapour density: Not applicable/Not available due to the nature/properties of the product

Particle characteristics: Not applicable/Not available due to the nature/properties of the product

### 9.2 Other information

Viscosity: Not applicable/Not available due to the nature/properties of the product

Explosive properties: Not applicable/Not available due to the nature/properties of the product

Oxidizing properties: No

Dropping point: Not applicable/Not available due to the nature/properties of the product

Blink: Not applicable/Not available due to the nature/properties of the product

## SECTION 10: STABILITY AND REACTIVITY.

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Unstable in contact with:

- Acids.

### 10.3 Possibility of hazardous reactions.

Neutralization can occur on contact with acids.

### 10.4 Conditions to avoid.

- Avoid contact with acids.

### 10.5 Incompatible materials.

Avoid the following materials:

- Acids.

### 10.6 Hazardous decomposition products.

Depending on conditions of use, can be generated the following products:

- Corrosive vapors or gases.

## SECTION 11: TOXICOLOGICAL INFORMATION.

### 11.1 Information on hazard classes as defined in Regulation (EC) N° 1272/2008.

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### Toxicological information.

| Name   | Acute toxicity |      |      |                           |
|--|----------------|------|------|---------------------------|
|  | Type           | Test | Kind | Value                     |
| Sodium hydrogencarbonate<br><br>CAS No: 144-55-8      EC No: 205-633-8 | Oral           | LD50 | Rat  | > 4000 mg/kg              |
|  |                | LD50 | Rat  | 4000 mg/kg bw [1]         |
|  | Dermal         |      |      |                           |
|  | Inhalation     | LC50 | Rat  | 4.74 mg/L air (4.5 h) [1] |

[1] Glaza, SM, Acute Oral Toxicity Study of Product 5636, Sodium|Bicarbonate - lot 063095F in Rats. Hazleton Wisconsin,|Wisconsin, USA, December 10, 1993.

[1] Wnorowski, G, Acute Inhalation - Limit Test, Product Safety|Labs, New Jersey, USA, Dec 11, 1992.

a) acute toxicity;

Not conclusive data for classification.

b) skin corrosion/irritation;

Not conclusive data for classification.

c) serious eye damage/irritation;

Not conclusive data for classification.

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.

### 11.2 Information on other hazards.

#### Endocrine disrupting properties

This product does not contain components with endocrine-disrupting properties with effects on human health.

#### Other information

There is no information available on other adverse health effects.

## SECTION 12: ECOLOGICAL INFORMATION.

### 12.1 Toxicity.

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| Name   | Ecotoxicity           |      |  |                      |
|--|-----------------------|------|--|----------------------|
|  | Type                  | Test | Kind   | Value                |
| Sodium hydrogencarbonate<br><br>CAS No: 144-55-8      EC No: 205-633-8 | Fish                  | LC50 | Fish   | 7100 mg/l (96 h)     |
|  |                       | LC50 | Lepomis macrochirus  | 8250 mg/L (96 h) [1] |
|  | Aquatic invertebrates |      | [1] Cairns J. Jr., Scheier, A.. The relationship of bluegill sunfish body size to tolerance for some common chemicals. Proc. 13th Industrial waste conference, P. Univ., Engineering Bull. Vol. 43. 243-252. 1959. |                      |
|  |                       | EC50 | Daphnia magna  | 4100 mg/L (48 h) [1] |
|  |                       |      | [1] Putt, A.E., Sodium bicarbonate - Acute toxicity to Daphnids (Daphnia magna) under flow-through conditions, Springborn Laboratories, Inc. SLI Study   |                      |
|  | Aquatic plants        |      |  |                      |

### 12.2 Persistence and degradability.

No information is available regarding the biodegradability

No information is available on the degradability

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

### 12.3 Bioaccumulative potential.

No information is available regarding the bioaccumulation.

### 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 Endocrine disrupting properties.

This product doesn't contain components with environmental endocrine disrupting properties.

### 12.7 Other adverse effects.

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

## SECTION 13: DISPOSAL CONSIDERATIONS.

### 13.1 Waste treatment methods.

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

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

## SECTION 14: TRANSPORT INFORMATION.

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

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### 14.1 UN number or ID number.

Transportation is not dangerous.

### 14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

### 14.3 Transport hazard class(es).

Transportation is not dangerous.

### 14.4 Packing group.

Transportation is not dangerous.

### 14.5 Environmental hazards.

Transportation is not dangerous.

Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

### 14.6 Special precautions for user.

Transportation is not dangerous.

### 14.7 Maritime transport in bulk according to IMO instruments.

Transportation is not dangerous.

## SECTION 15: REGULATORY INFORMATION.

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

#### Volatile organic compound (VOC)

VOC content (p/p): 0 %

VOC content: 0 g/l

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

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.

Kind of pollutant to water (Germany): WGK 1: Slightly hazardous to water. (Autoclassified according to the AwSV Regulations)

### 15.2 Chemical safety assessment.

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION.

Changes regarding to the previous version:

- National legislative changes (SECTION 15.1).

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### Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

#### 1272/2008 [CLP]:

|                       |                       |
|-----------------------|-----------------------|
| Physical hazards      | On basis of test data |
| Health hazards        | Calculation method    |
| Environmental hazards | Calculation method    |

It is recommended that the product only be employed for the purposes advised.

#### Abbreviations and acronyms used:

|       |  |
|-------|--|
| AwSV: | Facility Regulations for handling substances that are hazardous for the water. |
| CEN:  | European Committee for Standardization.  |
| EC50: | Half maximal effective concentration.  |
| PPE:  | Personal protection equipment.   |
| LC50: | Lethal concentration, 50%.   |
| LD50: | Lethal dose, 50%.  |
| WGK:  | Water hazard classes.  |

#### Key literature references and sources for data:

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

<http://echa.europa.eu/>

Regulation (EU) 2020/878.

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) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemical substances and mixtures (REACH).

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.