

SECTION 1: Identification

1.1. Identification

Trade name : ProteClean Green+

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Commercial cleaner
Cleaning agent

Recommended use : Professional uses

1.3. Supplier

Manufacturer/Supplier

Fri-Jado B.V.
Blauwhekken 2
Oud Gastel, 4751 XD - Netherlands
T +31 (76) 50 85 400
info@frijado.com

Email competent person

sds@kft.de

Importer

Fri-Jado Inc.
1401 Davey Road. Suite 100
Woodridge IL 60517 - USA
T +1 877 374 5236
us.info@frijado.com

1.4. Emergency telephone number

Emergency number : 0049 621 845799732

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Corrosive to metals Category 1	H290	May be corrosive to metals
Skin corrosion/irritation Category 1A	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage
Respiratory sensitization, Category 1	H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H334 - May cause an allergy or asthma symptoms or breathing difficulties if inhaled
P234 - Keep only in original container.
P260 - Do not breathe dust.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection.

Precautionary statements (GHS US)

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P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER, a doctor.
P363 - Wash contaminated clothing before reuse.
P390 - Absorb spillage to prevent material-damage.
P405 - Store locked up.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
sodium hydroxide	CAS-No.: 1310-73-2	≥ 50 – < 70	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
sodium carbonate	CAS-No.: 497-19-8	≥ 10 – < 20	Eye Irrit. 2A, H319
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3)	CAS-No.: 15630-89-4	≥ 5 – < 10	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Tetrasodium (1-hydroxyethylidene)bisphosphonate	CAS-No.: 3794-83-0	≥ 2.5 – < 5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane	CAS-No.: 9038-95-3	≥ 1 – < 2.5	Acute Tox. 4 (Oral), H302
subtilisin	CAS-No.: 9014-01-1	≥ 0.1 – < 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Resp. Sens. 1, H334 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general

: Call a physician immediately.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

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First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First-aid measures after ingestion	: Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam.
Unsuitable extinguishing media	: Strong water jet.

5.2. Specific hazards arising from the chemical

Explosion hazard	: Product is not explosive.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Nitrogen oxides. Sulphur oxides. Phosphorus oxides. Metal oxides. Silicon oxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Absorb spillage to prevent material-damage.
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6.1.1. For non-emergency personnel

Protective equipment	: Wear personal protective equipment.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust.

6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Avoid dust formation.
Other information	: Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe dust. Keep container tightly closed.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep only in original container. Keep container tightly closed. Keep cool. Protect from moisture. Store locked up.
Incompatible materials	: Metals.
Information about storage in one common storage facility	: Keep away from food, drink and animal feeding stuffs.
Storage area	: Base-resistant floor.
Special rules on packaging	: Store in original container or corrosive resistant and/or lined container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

ProteClean Green+	
No additional information available	
sodium hydroxide (1310-73-2)	
USA - OSHA - Occupational Exposure Limits	
Local name	Sodium hydroxide
OSHA PEL (TWA) [1]	2 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
sodium carbonate (497-19-8)	
No additional information available	
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3) (15630-89-4)	
No additional information available	
Tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)	
No additional information available	
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)	
No additional information available	
subtilisin (9014-01-1)	
No additional information available	

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls	: Avoid release to the environment.

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8.3. Individual protection measures/Personal protective equipment

Hand protection:
Chemically resistant protective gloves. For undissolved solid substances following materials may be suitable: butyl rubber, Chloroprene rubber, Fluoroelastomer (FKM), Nitrile rubber. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear
Eye protection:
Wear closed safety glasses. EN 166. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure
Skin and body protection:
Wear suitable protective clothing. EN ISO 13688
Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Short term exposure. Dust production: dust mask with filter type P2. EN 143

Other information:

Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: cartridge. Powder.
Color	: white Green
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
pH solution	: 10.5 – 13 (Aqueous solution 1 %)
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Relative evaporation rate (butyl acetate=1)	: Not applicable
Flammability (solid, gas)	: No data available
Vapor pressure	: Not applicable
Relative vapor density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 1080 – 1143 kg/m ³
Solubility	: Water: Material highly soluble in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: > 80 °C
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Non oxidizing material.

9.2. Other information

VOC content	: 0 %
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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.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat. Protect from moisture.

10.5. Incompatible materials

metals.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

ProteClean Green+	
ATE US (oral)	> 5000 mg/kg body weight
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3) (15630-89-4)	
LD50 oral rat	1034 mg/kg body weight
Tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)	
LD50 oral rat	940 mg/kg body weight (OECD 401 method)
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)	
LD50 oral rat	300 – 2000 mg/kg body weight
subtilisin (9014-01-1)	
LD50 oral rat	1800 mg/kg body weight (OECD 201 method)

Skin corrosion/irritation	: Causes severe skin burns.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Not applicable)
Viscosity, kinematic	: Not applicable

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Symptoms/effects after inhalation	: May cause an allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Burns. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	35 – 189 mg/l
EC50 - Crustacea [1]	40.4 mg/l (48 h; Ceriodaphnia sp.)
sodium carbonate (497-19-8)	
LC50 - Fish [1]	300 mg/l (96 h; Lepomis macrochirus (Bluegill))
EC50 - Crustacea [1]	200 – 227 mg/l (48 h; Ceriodaphnia sp.)
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3) (15630-89-4)	
LC50 - Fish [1]	70.7 mg/l (48h; Pimephales promelas)
EC50 - Crustacea [1]	4.9 mg/l (48h; Daphnia pulex)
Tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)	
LC50 - Fish [1]	2180 mg/l (96 h; Cyprinodon variegatus; (OECD 203 method))
EC50 - Crustacea [1]	527 mg/l (48 h; Daphnia magna; (OECD 202 method))
NOEC chronic crustacea	6.75 mg/l (28 d; Daphnia magna)
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)	
LC50 - Fish [1]	> 100 mg/l (96 h; Brachydanio rerio (OECD-Richtlinie 203))
EC50 - Crustacea [1]	> 100 mg/l (48 h; Daphnia magna)
subtilisin (9014-01-1)	
LC50 - Fish [1]	8.2 mg/l (96h; Oncorhynchus mykiss (Rainbow trout); (OECD 203 method))
EC50 - Crustacea [1]	0.868 mg/l (48 h; Daphnia magna (Water flea); (OECD 202 method))
ErC50 algae	0.29 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	0.042 mg/l (32 d; Pimephales promelas; (OECD 210 method))
NOEC chronic crustacea	0.019 mg/l (14 d; Daphnia magna (Water flea); (OECD 211 method))
NOEC chronic algae	0.041 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))

12.2. Persistence and degradability

ProteClean Green+	
Persistence and degradability	Contained surfactants are biodegradable.
sodium hydroxide (1310-73-2)	
Persistence and degradability	Not applicable for inorganic substances.
sodium carbonate (497-19-8)	
Persistence and degradability	Not applicable for inorganic substances.

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Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3) (15630-89-4)	
Persistence and degradability	Not applicable for inorganic substances.
Tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)	
Persistence and degradability	Not readily biodegradable.
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)	
Persistence and degradability	Readily biodegradable.
Biochemical oxygen demand (BOD)	> 60 % (28 d; (OECD 301F method))
subtilisin (9014-01-1)	
Persistence and degradability	Readily biodegradable.
Biodegradation	≈ 100 % (29 d; (OECD 301B method))

12.3. Bioaccumulative potential

ProteClean Green+	
Bioaccumulative potential	The product has not been tested.
sodium hydroxide (1310-73-2)	
Bioaccumulative potential	Not applicable for inorganic substances.
sodium carbonate (497-19-8)	
Bioaccumulative potential	Not applicable for inorganic substances.
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H2O2) (2:3) (15630-89-4)	
Bioaccumulative potential	Not applicable for inorganic substances.
Tetrasodium (1-hydroxyethylidene)bisphosphonate (3794-83-0)	
Partition coefficient n-octanol/water (Log Pow)	-3 (23 °C; (OECD 107 method))
Bioaccumulative potential	Bioaccumulation unlikely.
1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)	
Bioaccumulative potential	Bioaccumulation unlikely.
subtilisin (9014-01-1)	
Partition coefficient n-octanol/water (Log Pow)	-3.1 (25 °C; (OECD 107 method))
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

ProteClean Green+	
Ecology - soil	The product has not been tested.
sodium hydroxide (1310-73-2)	
Ecology - soil	Expected to be highly mobile in soil.
sodium carbonate (497-19-8)	
Ecology - soil	Expected to be highly mobile in soil.

12.5. Other adverse effects

No additional information available

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according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

SECTION 13: Disposal considerations

13.1. Disposal methods

- Waste treatment methods : Disposal must be done according to official regulations. Do not dispose of with domestic waste.
Do not discharge into drains or the environment.
- Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

In accordance with Verkehrsministerium / IMDG / IATA

14.1. UN number

- DOT NA No : UN1823
- UN-No. (IMDG) : 1823
- UN-No. (IATA) : 1823

14.2. UN proper shipping name

- Proper Shipping Name (DOT) : Sodium hydroxide, solid
- Proper Shipping Name (TDG) : SODIUM HYDROXIDE, SOLID
- Proper Shipping Name (IMDG) : SODIUM HYDROXIDE, SOLID
- Proper Shipping Name (IATA) : Sodium hydroxide, solid

14.3. Transport hazard class(es)

DOT

- Transport hazard class(es) (DOT) : 8
- Hazard labels (DOT) : 8



IMDG

- Transport hazard class(es) (IMDG) : 8
- Hazard labels (IMDG) : 8



IATA

- Transport hazard class(es) (IATA) : 8
- Hazard labels (IATA) : 8



14.4. Packing group

- Packing group (DOT) : II
- Packing group (IMDG) : II
- Packing group (IATA) : II

14.5. Environmental hazards

- Other information : No supplementary information available.

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according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

14.6. Special precautions for user

DOT

UN-No.(DOT)	: UN1823
DOT Special Provisions (49 CFR 172.102)	: IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle. IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner. T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	: 154
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 212
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 15 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 50 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 52 - Stow "separated from" acids

IMDG

Limited quantities (IMDG)	: 1 kg
Excepted quantities (IMDG)	: E2
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES

IATA

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y844
PCA limited quantity max net quantity (IATA)	: 5kg
PCA packing instructions (IATA)	: 859
PCA max net quantity (IATA)	: 15kg
CAO max net quantity (IATA)	: 50kg

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed as Active, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

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This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

sodium hydroxide (1310-73-2)

CERCLA RQ

1000 lb

1-[2-[2-(3-methoxypropoxy)propoxy]ethoxy]butane (9038-95-3)

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

subtilisin (9014-01-1)

EPA TSCA Regulatory Flag

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

ProteClean Green+

No additional information available.

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

Component	State or local regulations
Carbonic acid sodium salt (1:2), compd. with hydrogen peroxide (H ₂ O ₂) (2:3)(15630-89-4)	U.S. – New York City – Right to Know Hazardous Substances List
sodium hydroxide(1310-73-2)	U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. – New York City – Right to Know Hazardous Substances List

SECTION 16: Other information

according to US OSHA Hazard Communication Standard (HCS 2012); 29 CFR Part 1910.1200

Revision date : 07/15/2021

Data sources : Information provided by the manufacturer. MSDSs of the suppliers. European Chemicals Agency, <http://echa.europa.eu/>.

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Indication of changes:			
Section	Changed item	Change	Comments
	General revision		
	Emergency number	Modified	

Full text of H-phrases	
H272	May intensify fire; oxidizer
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H334	May cause an allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation

Abbreviations and acronyms	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration

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Abbreviations and acronyms	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

KFT SDS US 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.