

SECTION 1: Product identifier

1.1. Product identifier

Trade name : ProteClean Green+

1.2. Other means of identification

Other means of identification : Detergent

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Professional uses
Commercial cleaner
Cleaning agent

1.4. Supplier's details

Manufacturer/Supplier

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

Email competent person

sds@kft.de

Importer

Avem Quirks Pty. Ltd.
9, Business Park Drive
Lynbrook 3975 - Australia
T 0061 397714477
info@avemquirks.com.au

1.5. Emergency phone number

Emergency number : 0049 621 845799732

Country	Organisation/Company	Address	Emergency number	Comment
Australia	Poisons Information Centre		13 11 26	

SECTION 2: Hazards identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Corrosive to metals, Category 1 H290

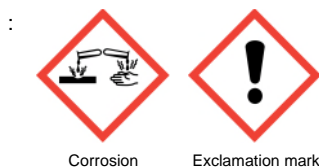
Skin corrosion/irritation, Category 1A H314

Serious eye damage/eye irritation, Category 1 H318

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

2.2. Label elements

Hazard pictograms (GHS AU)



Signal word (GHS AU) : Danger

Contains : sodium hydroxide ($\geq 50 - < 70$ %); Disodium carbonate, compound with hydrogen peroxide (2:3) ($\geq 5 - < 10$ %)

Hazard statements (GHS AU) : H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.

Precautionary statements (GHS AU) : P280 - Wear eye protection, protective gloves, protective clothing.
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.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P310 - Immediately call a POISON CENTER/doctor.

P390 - Absorb spillage to prevent material damage.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

Name	CAS-No.	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
sodium hydroxide	1310-73-2	≥ 50 – < 70	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
Disodium carbonate, compound with hydrogen peroxide (2:3)	15630-89-4	≥ 5 – < 10	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Other substances (not contributing to the classification of this product)		31.11	

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. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. 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. Symptoms caused by exposure

Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Burns.
Symptoms/effects after eye contact	: Serious damage to eyes.
Symptoms/effects after ingestion	: Burns.

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

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. 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. Special hazards arising from the substance or mixture

Explosion hazard	: Product is not explosive.
General measures	: Absorb spillage to prevent material damage.
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.
Hazchem Code	: 2W
Other information	: Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Absorb spillage to prevent material damage.

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".

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Avoid dust formation.

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 - exposure standards

sodium hydroxide (1310-73-2)	
Australia - Occupational Exposure Limits	
Local name	Sodium hydroxide
OES C	2 mg/m ³
Regulatory reference	Workplace exposure standards for airborne contaminants (2019)

8.2. Monitoring

Monitoring methods : No additional information available

8.3. 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.

8.4. 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

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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
Environmental exposure controls	: Avoid release to the environment.
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

Physical state	: Solid
Appearance	: cartridge. Powder.
Colour	: white, Green
Odour	: No data available
Odour threshold	: No data available
pH	: 10.5 – 13 (Aqueous solution 1 %)
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point / Freezing point	: Freezing point : Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: > 80 °C
Flammability (solid, gas)	: No data available
Vapour pressure	: Vapour pressure : Not applicable
Relative density	: Relative vapour density at 20 °C : Not applicable
Density	: Density : 1080 – 1143 kg/m ³
Solubility	: Water: Material highly soluble in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Product is not explosive.
Oxidising properties	: Non oxidizing
Explosive limits	: No data available
Minimum ignition energy	: No data available
VOC content	: 0 %
Fat solubility	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reactions known under normal conditions of use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Protect from moisture.
Incompatible materials	: metals.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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)

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ATE AU (oral)	> 5000 mg/kg bodyweight
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Disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)	
LD50 oral rat	1034 mg/kg bodyweight

	: Causes severe skin burns.
Skin corrosion/irritation	
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
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	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Not relevant)

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Viscosity, kinematic	Not applicable

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general	: Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute)	: Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	: Not classified (Based on available data, the classification criteria are not met)

sodium hydroxide (1310-73-2)	
LC50 - Fish [1]	35 – 189 mg/l
EC50 - Crustacea [1]	40.4 mg/l (48 h; Ceriodaphnia sp.)
Disodium carbonate, compound with hydrogen peroxide (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)

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.
Disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)	
Persistence and degradability	Not applicable for inorganic substances.

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.
Disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)	
Bioaccumulative potential	Not applicable for inorganic substances.

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.

12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

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ProteClean Green+	
Fluorinated greenhouse gases	False
sodium hydroxide (1310-73-2)	
Fluorinated greenhouse gases	False
Disodium carbonate, compound with hydrogen peroxide (2:3) (15630-89-4)	
Fluorinated greenhouse gases	False

SECTION 13: Disposal considerations

Waste treatment methods : Disposal must be done according to official regulations. Do not discharge into drains or the environment. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

SECTION 14: Transport information

14.1. UN number

UN-No. (ADG) : 1823

UN-No. (IMDG) : 1823

UN-No. (IATA) : 1823

14.2. Proper Shipping Name - Addition

Proper Shipping Name (ADG) : SODIUM HYDROXIDE, SOLID

Proper Shipping Name (IMDG) : SODIUM HYDROXIDE, SOLID

Proper Shipping Name (IATA) : Sodium hydroxide, solid

14.3. Transport hazard class(es)

ADG

Transport hazard class(es) (ADG) : 8

Danger labels (ADG) : 8

:



IMDG

Transport hazard class(es) (IMDG) : 8

Danger labels (IMDG) : 8

:



IATA

Transport hazard class(es) (IATA) : 8

Danger labels (IATA) : 8

:



14.4. Packing group

Packing group (ADG) : II - substances presenting medium danger

Packing group (IMDG) : II

Packing group (IATA) : II

14.5. Environmental hazards

Marine pollutant : No

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Dangerous for the environment	: No
Other information	: No supplementary information available
Specific storage requirement	: No data available
Shock sensitivity	: No data available

14.7. Additional information

Other information	: No supplementary information available
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Transport by road and rail

UN-No. (ADG)	: 1823
Limited quantities (ADG)	: 1kg
Packing instructions (ADG)	: P002, IBC08
Special packing provisions (ADG)	: B2, B4
Portable tank and bulk container instructions (ADG)	: T3
Portable tank and bulk container special provisions (ADG)	: TP33

Transport by sea

UN-No. (IMDG)	: 1823
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

Air transport

UN-No. (IATA)	: 1823
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

14.8. Hazchem or Emergency Action Code

Hazchem Code	: 2W
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SECTION 15: Regulatory information

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

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status	: All the chemicals contained in this product are listed introductions
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15.2. International agreements

No additional information available

SECTION 16: Other information

Data sources	: Information provided by the manufacturer. MSDSs of the suppliers. Australian Industrial Chemicals Introduction Scheme (AICIS). European Chemicals Agency, http://echa.europa.eu/ .
Department issuing data specification sheet:	: KFT Chemieservice GmbH Im Leuschnerpark 3 D-64347 Griesheim Phone: +49 6155-8981-400 Fax: +49 6155 8981-500 SDS Service: +49 6155 8981-522.
Contact person	: Julia Wack.

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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
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

Revision date

: 16/07/2021

Other information

: Version/s 1.00 is/are not available in this language.

Classification:

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318
STOT SE 3	H335

Full text of H-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Met. Corr. 1	Corrosive to metals, Category 1
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H272	May intensify fire; oxidiser.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

KFT SDS AU 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.