

FRIONETT POWER ULTRA
100342700
SECTION 1 Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier
Trade name : FRIONETT POWER ULTRA

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses : Cleaning product

1.3. Details of the supplier of the safety data sheet
SUPPLIER :
 : DEHON SERVICE
 26 Avenue du Petit Parc
 94683 VINCENNES Cedex France
 Tel : +33 (0) 1 43 98 75 00
 Fax : +33 (0) 1 43 98 21 51

DISTRIBUTOR :
 : PROCHIMAC SA
 Rue du Château 10
 2000 Neuchâtel
 Switzerland
 Tél : +41 32 727 36 00
 Fax : +41 32 727 36 19

e-mail : ContactFDS@climalife.dehon.com

1.4 Emergency telephone number : EMERGENCY TELEPHONE NUMBER (24h/24) : + 33 (0) 1 72 11 00 03
 Anti-poison Center : INRS/ORFILA (France) : +33 (0) 1 45 42 59 59
 Anti-poison Centre (Belgium) : +32 70 245 245
 Anti-poison Centre (Spain) : +34 91 562 04 20
 Anti-poison Centre (Netherlands) : +31 30 274 8888
 Anti-poison Centre (United Kingdom) : +44 870 600 6266
 Poisons Information Centre (Hungary) : +36 80 201 199
 Anti-poison Centre (Switzerland) : 145 (from Switzerland) or +41 44 251 51 51

SECTION 2 Hazards identification
2.1. Classification of the substance or mixture
2.1.1. Regulation (EC) No 1272/2008 (CLP)
Health hazards : Skin irritation - Category 2 (Skin Irrit. 2) - H315
 Eye irritation - Category 2 (Eye Irrit. 2) - H319
 Skin sensitisation - Category 1 (Skin Sens. 1) - H317

2.2. Label elements
2.2.1 Labelling EC 1272/2008 (CLP)
Contains : N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine

Hazard pictograms

Signal words : Warning

Hazard statements : H315 : Causes skin irritation
 H319 : Causes serious eye irritation
 H317 : May cause an allergic skin reaction

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SECTION 2 Hazards identification (continued)
Precautionary statements :

- **Prevention** : P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- **Response** : P332+P313 : If skin irritation occurs: Get medical advice/attention
P337+P313 : If eye irritation persists: Get medical advice/attention
P363 : Wash contaminated clothing before reuse
- 2.3. Other hazards** : None under normal conditions

SECTION 3 Composition/information on ingredients
3.1./3.2. Substance / Preparation : Preparation

Components contributing to the hazard :

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl) amino]ethyl]-β-alanine	< 10 %	64265-45-8	264-761-2	----	----	Xi; R36 Xi; R43 ----- Skin sens. 1; H317 Eye Irrit. 2; H319
Potassium hydroxide	< 2 %	1310-58-3	215-181-3	019-002-00-8	01-2119487136-33	Xn; R22 C; R35 ----- Met. Corr. 1; H290 Acute Tox. 4 (Oral); H302 Skin Corr. 1A; H314
2-(2-butoxyethoxy)ethanol	< 5 %	112-34-5	203-961-6	603-096-00-8	01-2119475104-44	Xi; R36 ----- Eye Irrit. 2; H319
* D-pentose and D-glucose, oligomeric, C8-C10 alkyl glycosides	< 5 %	----	483-960-7	----	01-0000020220-90	Xi; R41 ----- Eye Dam. 1; H318
Ethanol	< 5 %	64-17-5	200-578-6	603-002-00-5	01-2119457610-43	F; R11 ----- Flam. Liq. 2; H225 Eye Irrit. 2; H319

SECTION 4 First aid measures
4.1. Description of first aid measures

- Inhalation** : Not specifically applicable (aqueous liquid)
- Skin contact** : Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention
- Eye contact** : Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention
- Ingestion** : Rinse mouth.
Do NOT induce vomiting
IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician
If possible show him this sheet. Failing this, show him the packaging or label

4.2. Most important symptoms and effects, both acute and delayed : No information available

4.3. Indication of any immediate medical attention and special treatment needed : No information available

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SECTION 5 Fire-fighting measures
5.1. Extinguishing media
Suitable extinguishing media : water

Unsuitable extinguishing media : None to our knowledge. If there is a fire close by, use suitable extinguishing agents

5.2. Special hazards arising from the substance or mixture
5.3. Advice for firefighters
Specific fire fighting methods : Contain the extinguishing fluids by bunding

Protection of fire-fighters : Complete protective clothing
Self-contained breathing apparatus

SECTION 6 Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures : Avoid contact with skin and eyes

6.2. Environmental precautions : Contain the spilled material by bunding
Avoid direct discharge into drains

6.3. Methods and material for containment and cleaning up
- Neutralization : Absorb with :
- earth or sand
Carefully neutralize spilled liquid, using :
- a diluted hydrochloric acid solution

- Cleaning/decontamination : Then wash with plenty of water

- Disposal : Do not discharge into drains

6.4 Reference to other sections : For further information refer to section 8 "Exposure controls/personal protection"

SECTION 7 Handling and storage
7.1. Precautions for safe handling
Technical measures : Does not require any specific or particular measures

Industrial hygiene : Always wash your hands immediately after handling this product, and once again before leaving the workplace
Do not eat, drink or smoke during use
Wash contaminated clothing before reuse

7.2. Conditions for safe storage, including any incompatibilities
Technical measures : The floor of the depot should be impermeable and designed to form a tight basin

Storage conditions
- Recommended : To guarantee the quality and properties of the product, keep :
- at room temperature
- the container tightly closed
- only in the original container

Incompatible products : Strong acids

Packaging materials
- Recommended : Rigid plastic materials

- Not suitable : Aluminium and its alloys
Light metals
Glass

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SECTION 7 Handling and storage (continued)

7.3. Specific end use(s) : No data

SECTION 8 Exposure controls/personal protection
8.1. Control parameters

8.1.1. Occupational Exposure Limits : 2-(2-butoxyethoxy)ethanol : European Union : VME (8h; mg/m³) : 67.5
 2-(2-butoxyethoxy)ethanol : European Union : VME (8h; ppm) : 10
 2-(2-butoxyethoxy)ethanol : European Union : VLE (15min; mg/m³) : 101.2
 2-(2-butoxyethoxy)ethanol : European Union : VLE (15min; ppm) : 15
 Ethanol : France : LEP - VME (8h; mg/m³) : 1900
 Ethanol : France : LEP - VME (8h; ppm) : 1000
 Ethanol : France : LEP - VLE (15min; mg/m³) : 9500
 Ethanol : France : LEP - VLE (15min; ppm) : 5000
 Ethanol : United Kingdom : WEL - TWA (8h; mg/m³) : 1920
 Ethanol : United Kingdom : WEL - TWA (8h; ppm) : 1000
 Ethanol : Germany : MAK - TWA (8h; mg/m³) : 960
 Ethanol : Germany : MAK - TWA (8h; ppm) : 500
 Ethanol : Germany : MAK - STEL (15min; mg/m³) : 1920
 Ethanol : Germany : MAK - STEL (15min; ppm) : 1000
 Ethanol : Hungary : AK - TWA (8h; mg/m³) : 1900
 Ethanol : Hungary : AK - STEL (15min; mg/m³) : 7600
 Ethanol : Netherlands : MAC - TWA (8h; mg/m³) : 260
 Ethanol : Netherlands : MAC - STEL (15min; mg/m³) : 1900
 Ethanol : Belgium : GWBB - TWA (8h; mg/m³) : 1907
 Ethanol : Belgium : GWBB - TWA (8h; ppm) : 1000
 Ethanol : USA (ACGIH) : TLV - TWA (8h; mg/m³) : 1900
 Ethanol : USA (ACGIH) : TLV - TWA (8h; ppm) : 1000
 Ethanol : Switzerland : LEP - VME (8h; mg/m³) : 960
 Ethanol : Switzerland : LEP - VME (8h; ppm) : 500
 Ethanol : Switzerland : LEP - VLE (15min; mg/m³) : 1920
 Ethanol : Switzerland : LEP - VLE (15min; ppm) : 1000
 Potassium hydroxide : France : LEP - VLE (15min; mg/m³) : 2
 Potassium hydroxide : United Kingdom : WEL - STEL (15min; mg/m³) : 2
 Potassium hydroxide : Hungary : AK - TWA (8h; mg/m³) : 2
 Potassium hydroxide : Hungary : AK - STEL (15min; mg/m³) : 2
 Potassium hydroxide : Belgium : GWBB - STEL (15min; mg/m³) : 2
 Potassium hydroxide : USA (NIOSH) : REL - STEL (15min; mg/m³) : 2
 Potassium hydroxide : Switzerland : LEP - VME (8h; mg/m³) : 2 Aerosol

Personal protection :

- Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment
- Hand protection : Protective gloves made of rubber
- Eye protection : Safety goggles
- Skin protection : Protective clothing (with elasticated cuffs and closed neck)
Collective emergency equipments : : Safety shower
 Eye fountain

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SECTION 9 Physical and chemical properties
9.1. Information on basic physical and chemical properties
9.1.a. Appearance

Physical state : Liquid
Colour : dark yellow

9.1.b. Odour : Lemon.

9.1.c. Odour threshold : No information available

9.1.d. pH : 12
 10.5 (1 % aqueous solution)

9.1.e. Melting point / Freezing point : No data

9.1.f. Initial boiling point - boiling range : > 100 °C

9.1.g. Flash point : Not applicable

9.1.h. Evaporation rate : No data

9.1.i. Flammability : Non flammable.

9.1.j. Explosion limits (lower - upper) : Not applicable

9.1.k. Vapour pressure : No information available

9.1.l. Vapour density : No information available

9.1.m. Relative density

9.1.m. Density : 1.07 g/cm³ at 20 °C

9.1.n. Solubility

-in water : Complete

9.1.o. Partition coefficient : n-octanol / water : No data

9.1.p. Auto-ignition temperature : No information available

9.1.q. Thermal decomposition : No data

9.1.r. Viscosity : No data

9.1.s. Explosive Properties : Not explosive material according to EC criteria

9.1.t. Oxidising properties : Non oxidizing material according to EC criteria

9.2. Other information

SECTION 10 Stability and reactivity

10.1. Reactivity

10.2. Chemical stability : Stable at ambient temperature and under normal conditions of use

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

10.5. Incompatible materials : Reacts with :
 - concentrated strong acids
 - halogenated compounds.
 - nitro-compounds
 - light metals
 - alkaline earth metals.

10.6. Hazardous decomposition products : No information available

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SECTION 10 Stability and reactivity (continued)
SECTION 11 Toxicological information
11.1. Information on toxicological effects
• Acute toxicity
On ingredients

2-(2-butoxyethoxy)ethanol : Rat oral LD50 [mg/kg] : 5660
 : Rabbit dermal, LD50 [mg/kg] : 2700

Potassium hydroxide : Rat oral LD50 [mg/kg] : 365

Ethanol : Rat oral LD50 [mg/kg] : 7060
 : Rat inhalation LC50 [ppm/4h] : 20000

N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-β-alanine : Rat oral LD50 [mg/kg] : > 2000

- **Skin corrosion/irritation** : Causes skin irritation
- **Serious eye damage/irritation** : Causes serious eye irritation
- **Respiratory or skin sensitisation** : May cause an allergic skin reaction
- **Germ cell mutagenicity** : No information available
- **Carcinogenicity** : No information available
- **Reproductive toxicity** : No information available
- **STOT-single exposure** : No information available
- **STOT-repeated exposure** : No information available
- **Aspiration hazard** : No information available

SECTION 12 Ecological information
12.1. Toxicity
On ingredients

2-(2-butoxyethoxy)ethanol : 96 Hours - LC50 - Fish [mg/l] : 1300 to 2000

Potassium hydroxide : 24 Hours - EC50 - Daphnia magna [mg/l] : 270
 : 96 Hours - LC50 - Fish [mg/l] : 80

Ethanol : 48 Hour - EC50 - Daphnia magna [mg/l] : 12340
 : 72 Hours - EC50 - Algae [mg/l] : 275 (Chlorella vulgaris)
 : 96 Hours - LC50 - Fish (Leuciscus idus) [mg/l] : 8140
 : 96 Hours - LC50 - Fish (Pimephales Promelas) [mg/l] : > 100

12.2. Persistence and degradability
Biodegradability

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer

12.3. Bioaccumulative potential : No data

12.4. Mobility in soil : In water, material soluble.

12.5. Results of PBT and vPvB assessment : No data

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12.6. Other adverse effects

SECTION 13 Disposal considerations**13.1. Waste treatment methods**

- Switzerland : OTD ordinance : code RS 814.600
OMoD ordinance : code RS 814.610

WASTE FROM PRODUCT :

Destruction/Disposal : Do not discharge into drains or waterways without neutralizing.
Do not allow product to spread into the environment
Conform to current legislation, regulations and orders
Neutralize prior to disposal (pH between 5.5 and 8.5) with : Hydrochloric acid
Dispose of at a licensed waste collection center

CONTAMINATED PACKAGING :

Decontamination/cleaning : Rinse with water

Destruction/Disposal : Recycle following cleaning

NOTE : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

SECTION 14 Transport information

RID/ADR/IMDG/IATA : Not regulated

SECTION 15 Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture : Ensure all national/local regulations are observed.

France : Professional diseases(table(s) nr 84) : applicable

Germany : WGK (Water-endangerment class) : 0

Switzerland : ORRChim : RS 814.81

REGULATION EC No 648/2004 : Contains :
- Amphoteric surfactants : 5 % or over but less than 15 %
- Non-ionic surfactants < 5 %
- Phosphonates : < 5 %

15.2. Chemical safety assessment : -

SECTION 16 Other information

Further information : Product for professional use only
For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region
This safety data sheet has been written in conformity with the regulation (UE) 453/2010.

Text of R-Phrases in § 3 : R11 : Highly flammable.
R22 : Harmful if swallowed.
R35 : Causes severe burns.
R36 : Irritating to eyes.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.

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FRIONETT POWER ULTRA**100342700****SECTION 16 Other information (continued)****Text of H-Phrases in § 3**

: H225 - Highly flammable liquid and vapour
H290 - May be corrosive to metals
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation

*** Update**

: Modifications are indicated by an asterisk (*)

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.

Besides, the attention of the user is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

End of document**DEHON SERVICE**

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