

FRIONETT POWER RTU
100450100
SECTION 1 Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Trade name : FRIONETT POWER RTU

1.2. Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses : All-purpose cleaner ready for use (Sprayer)

1.3. Details of the supplier of the safety data sheet

 : 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

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 (Netherlands) : +31 30 274 8888
 Anti-poison Centre (Spain) : +34 91 562 04 20
 Anti-poison Centre (United Kingdom) : +44 870 600 6266
 Poisons Information Centre (Hungary) : +36 80 201 199

SECTION 2 Hazards identification
2.1. Classification of the substance or mixture
2.1.1. Regulation (EC) No 1272/2008 (CLP)

Health hazards : Eye irritation - Category 2 (Eye Irrit. 2) - H319

2.1.2 Directive EEC/67/548 or 1999/45/CE : This product is not classified as a "hazardous preparation" according to European Community regulations

2.2. Label elements
2.2.1 Labelling EC 1272/2008 (CLP)
Hazard pictograms

Signal words : Warning

Hazard statements : H319 : Causes serious eye irritation

Precautionary statements :

- **Prevention** : P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- **Response** : P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337 + P313 : If eye irritation persists: Get medical advice/attention

2.3. Other hazards : Presents no particular risk to the environment, provided the disposal requirements (see section 13) and national or local regulations are complied with.

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SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation : Preparation
Chemical nature : Aqueous solution including surfactants
Hazardous constituents :

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
2-butoxyethanol	: 2.5 to 10 %	111-76-2	203-905-0	603-014-00-0	01-2119475108-36	Xn; R20/21/22 Xi; R36/38 ----- Acute Tox. 4 (Dermal);H312 Acute Tox. 4 (Inhalation);H332 Acute Tox. 4 (Oral);H302 Eye Irrit. 2;H319 Skin Irrit. 2;H315
Propan-2-ol	: < 2.5 %	67-63-0	200-661-7	603-117-00-0	01-2119457558-25	F; R11 R67 Xi; R36 ----- Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE3; H336
Alkyl polyglycol ether C8-10 with ethylene oxide	: < 2.5 %	71060-57-6	-----	-----	----	Xi; R36 ----- Eye Irrit. 2;H319

SECTION 4 First aid measures

4.1. Description of first aid measures

Inhalation : In the event of exposure to high concentrations :
Move the affected person to the fresh air
Make the affected person rest and keep at warm
If symptoms persist call a doctor

Skin contact : Remove all contaminated clothing and footwear
Wash with soapy water
Do not use : solvent
If case of redness or irritation, call a doctor

Eye contact : IF IN EYES : 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.

Ingestion : Do not give anything to drink. Do not induce vomiting.
Rinse mouth out with water
consult a doctor

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

SECTION 5 Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray / Water fog.
Foam
Powders
Carbon dioxide (CO2)

Unsuitable extinguishing media : Strong water jet

5.2. Special hazards arising from the substance or mixture : Non flammable.

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SECTION 5 Fire-fighting measures (continued)

- Specific hazards** : Produces dense black smoke when burning, obscuring vision.
During combustion : Toxic vapours are released (CO, CO2)
- 5.3. Advice for firefighters** : Self-contained breathing apparatus when in close proximity to fire.

SECTION 6 Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures** : Avoid contact with skin and eyes
Only qualified personnel equipped with suitable protective equipment may intervene
- 6.2. Environmental precautions** : Do not allow product to spread into the environment
Do not discharge into drains or rivers
- 6.3. Methods and material for containment and cleaning up**
- **Neutralization** : Absorb with :
 - earth or sand
 - inert absorbent material.
 - **Cleaning/decontamination** : Wash the floor with plenty of water
Do not use :
 - solvent
 - **Disposal** : Dispose of contaminated materials in accordance with current regulations.
- 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** : Ensure good ventilation of the work station
- Precautions** : Avoid contact with skin and eyes
Handle in well ventilated areas
- Industrial hygiene** : Wash hands thoroughly after handling.
Do not eat, drink or smoke during use
- 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** : Store :
 - the container tightly closed
 - in a dry, well-ventilated area
- Packaging materials**
- **Recommended** : Original packaging
- 7.3. Specific end use(s)** : No data

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational Exposure Limits	: 2-butoxyethanol : USA (OSHA) : PEL - TWA (8h; mg/m ³) : 240
	: 2-butoxyethanol : USA (OSHA) : PEL - TWA (8h; ppm) : 50
	: 2-butoxyethanol : European Union : VME (8h; mg/m ³) : 98
	: 2-butoxyethanol : European Union : VME (8h; ppm) : 20
	: 2-butoxyethanol : European Union : VLE (15min; mg/m ³) : 246
	: 2-butoxyethanol : European Union : VLE (15min; ppm) : 50
	: Propan-2-ol : France : LEP - VLE (15min; mg/m ³) : 980
	: Propan-2-ol : France : LEP - VLE (15min; ppm) : 400
	: Propan-2-ol : Germany : MAK - TWA (8h; mg/m ³) : 500
	: Propan-2-ol : Germany : MAK - TWA (8h; ppm) : 200
	: Propan-2-ol : Germany : MAK - STEL (15min; mg/m ³) : 1000
	: Propan-2-ol : Germany : MAK - STEL (15min; ppm) : 400
	: Propan-2-ol : Hungary : AK - TWA (8h; mg/m ³) : 500
	: Propan-2-ol : Hungary : AK - STEL (15min; mg/m ³) : 2000
	: Propan-2-ol : Belgium : GWBB - TWA (8h; mg/m ³) : 500
	: Propan-2-ol : Belgium : GWBB - TWA (8h; ppm) : 200
	: Propan-2-ol : Belgium : GWBB - STEL (15min; mg/m ³) : 1000
	: Propan-2-ol : Belgium : GWBB - STEL (15min; ppm) : 400
	: Propan-2-ol : USA (NIOSH) : REL - TWA (8h; mg/m ³) : 980
	: Propan-2-ol : USA (NIOSH) : REL - TWA (8h; ppm) : 400
	: Propan-2-ol : USA (NIOSH) : REL - STEL (15min; mg/m ³) : 1225
	: Propan-2-ol : USA (NIOSH) : REL - STEL (15min; ppm) : 500
	: Propan-2-ol : Switzerland : LEP - VME (8h; mg/m ³) : 500
	: Propan-2-ol : Switzerland : LEP - VME (8h; ppm) : 200
	: Propan-2-ol : Switzerland : LEP - VLE (15min; mg/m ³) : 1000
	: Propan-2-ol : Switzerland : LEP - VLE (15min; ppm) : 400

8.2. Exposure controls

Personal protection	: Wear protective gloves/protective clothing/eye protection/face protection.
- Respiratory protection	: If the ventilation is suitable, it is not essential to wear respiratory equipment If the occupational exposure limit is exceeded : Half-mask with a filter device type P2
- Hand protection	: Wear suitable gloves resistant to chemical penetration. Butyl-rubber protective gloves
- Eye protection	: Face shield. During spraying wear: Safety goggles
- Skin protection	: Majority cotton clothing

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

Physical state	: Liquid
Colour	: Pink
9.1.b. Odour	: alcohol
9.1.c. Odour threshold	: No information available
9.1.d. pH	: 7,9 (product as is)
9.1.e. Melting point / Freezing point	: No data
9.1.f. Initial boiling point - boiling range	: No information available

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SECTION 9 Physical and chemical properties (continued)

9.1.g. Flash point	: 60 to 93 °C
9.1.h. Evaporation rate	: No data
9.1.i. Flammability	: Non flammable.
9.1.j. Explosion limits (lower - upper)	: No data
9.1.k. Vapour pressure	: < 110 kPa
9.1.l. Vapour density	: No information available
9.1.m. Density	: 0.994 g/cm ³ at 20 °C
9.1.n. Solubility	
-in water	: Miscible in all proportions
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 information available
9.1.r. Viscosity	: < 7 mm ² /s at 40°C
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	: No information available

SECTION 10 Stability and reactivity

10.1. Reactivity	: No data
10.2. Chemical stability	: Stable at ambient temperature and under normal conditions of use
10.3. Possibility of hazardous reactions	: None under normal conditions
10.4. Conditions to avoid	: Avoid : Freezing
10.5. Incompatible materials	: No information available
10.6. Hazardous decomposition products	: On thermal decomposition (pyrolysis), releases : Carbon oxides (CO, CO ₂) Nitrogen oxides

SECTION 11 Toxicological information
11.1. Information on toxicological effects
• Acute toxicity
On ingredients
2-butoxyethanol

: Rabbit dermal LD50 [mg/kg]	: 320 to 370
: Rat inhalation LC50 [ppm/4h]	: 450 to 490
: Rat dermal LD50 [mg/kg]	: 1480

Propan-2-ol

: Rat oral LD50 [mg/kg]	: 4710
: Rabbit dermal, LD50 [mg/kg]	: 12870
: Rat inhalation LC50 [mg/l/4h]	: > 20

• Skin corrosion/irritation

: No information available

• Serious eye damage/irritation

: No information available

• Respiratory or skin sensitisation

: No information available

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SECTION 11 Toxicological information (continued)

- 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 : No information available
Do not allow the product, as is, to spread into the environment
- Effects on the aquatic environment
- On ingredients
- Propan-2-ol : 48 Hour - EC50 - Daphnia magna [mg/l] : 13299
: 72 Hours - EC50 - Algae [mg/l] : > 1000
: 96 Hours - LC50 - Fish [mg/l] : 9640
- 12.2. Persistence and degradability : No information available
- 12.3. Bioaccumulative potential : No information available
- 12.4. Mobility in soil : No information available
- 12.5. Results of PBT and vPvB assessment : No information available
- 12.6. Other adverse effects : WGK (Water-endangerment class) : 0
No information available

SECTION 13 Disposal considerations

- 13.1. Waste treatment methods
- WASTE FROM PRODUCT :
- Destruction/Disposal : Do not discharge waste into drains
Dispose of contents / container to an authorized center in accordance with national regulation
- CONTAMINATED PACKAGING :
- Decontamination/cleaning : Empty the packaging completely prior to disposal
- Destruction/Disposal : Entrust the thoroughly decontaminated packaging to a licensed waste-contractor
- NOTE : The user's attention is drawn to the possible existence of specific European, national or local regulations regarding disposal

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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
Classified Installations : applicable

Germany : : WGK (Water-endangerment class) : 1

REGULATION EC No 648/2004 : Contains :
Non-ionic surfactants < 5 %
- Perfume

15.2. Chemical safety assessment : No information available

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.
R20/21/22 : Harmful by inhalation, in contact with skin and if swallowed.
R36 : Irritating to eyes.
R36/38 : Irritating to eyes and skin.
R67 : Vapours may cause drowsiness and dizziness.

Text of H-Phrases in § 3 : H225 - Highly flammable liquid and vapour
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness

*** Update** : All chapters have been modified since the previous version

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

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