

**MATERIAL SAFETY DATA SHEET**

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Version : 5

Date : 30 / 6 / 2015

Supersedes : 9 / 1 / 2014

FRIONETT ACTIV'**100450500****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : FRIONETT ACTIV'

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1 Relevant identified uses** : Concentrated product for the holding and maintenance of refrigeration and air-conditioning systems**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**SUPPLIER :**: DEHON SERVICE
26 Avenue du Petit Parc
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Tel : +33 (0) 1 43 98 75 00
Fax : +33 (0) 1 43 98 21 51**DISTRIBUTOR :****Germany:**: Dehon Kälte-Fachvertriebs GmbH
Robert-Bosch-Strasse 14
40668 MEERBUSCH
Tél. : 00 49 2150 7073 0**Spain :**: Friogas sa
Polígono Industrial SEPES
Parcela 10
46500 SAGUNTO (Valencia)
Tél. : 00 34 9 6 266 36 32**Hungary :**: Climalife Hongrie Kft
Rét U.2
H - 2040 BUDAÖRS
Tél. : 00 36 23 431 660**Italy :**: Climalife
Supplied by Inventec Performance Chemicals Italia SRL
Via Pusterla n° 8
I-20013 Magenta (MI)
Tél. : 00 39 02 4840 1206**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
National Institute of Public Health (Romania) : +40 21 3183606
Anti-poison Centre (Switzerland) : 145 (from Switzerland) or +41 44 251 51 51**DEHON SERVICE**26 Avenue du Petit Parc 94683 VINCENNES Cedex France
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SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Regulation (EC) No 1272/2008 (CLP) : This product is not classified as a "hazardous preparation" according to European Community regulations

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)

Precautionary statements :

• Prevention

: P261 : Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 : Use only outdoors or in a well-ventilated area

• Response

: P301 + P312 : If swallowed, call a doctor if you feel unwell.

Regulation (EU) N° 528/2012

: Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides (CAS 68391-01-5) : 2.35g (TP02)

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 : None

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
If case of redness or irritation, call a doctor

Eye contact : Rinse immediately with plenty of water.
If irritation persists, consult an eye specialist

Ingestion : Rinse mouth out with water
Never attempt to induce vomiting
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

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SECTION 5 Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used

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

Specific hazards : During combustion : Toxic vapours are released (CO, CO2)

5.3. Advice for firefighters

Protection of fire-fighters : Impermeable protective equipment
Self-contained breathing apparatus

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures : 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

- Recovery : Absorb spillage with:
- earth or sand

- Cleaning/decontamination : Wash with plenty of water and detergent

- 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

Industrial hygiene : Always wash hands after handling the product
Do not eat, drink or smoke during use

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

- Recommended : Store :
- the container tightly closed

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 : No specific limit.

8.2. Exposure controls

Personal protection :

- Respiratory protection : If the ventilation is suitable, it is not essential to wear respiratory equipment
- Hand protection : In case of repeated or prolonged contact wear gloves.
Protective gloves made of latex
- Eye protection : Safety goggles
- Skin protection : Protective clothing

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

9.1.a. Appearance

Physical state : Liquid

Colour : Colourless

9.1.b. Odour : green freshness

9.1.c. Odour threshold : No information available

9.1.d. pH : 10.9 (product as is)

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

9.1.f. Initial boiling point - boiling range : No information available

9.1.g. Flash point : > 60 °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 : 1.005 g/cm³ at 20 °C

9.1.n. Solubility

-in water : Soluble

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 : < 7 mm²/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

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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 : No information available
- 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, CO₂)

SECTION 11 Toxicological information

11.1. Information on toxicological effects

- Acute toxicity : No information available
- Skin corrosion/irritation : No information available
- Serious eye damage/irritation : No information available
- Respiratory or skin sensitisation : No information available
- 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
- 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 : This mixture contains no substance meeting PBT and vPvB criteria
- 12.6. Other adverse effects : WGK (Water-endangerment class) : 1

SECTION 13 Disposal considerations

13.1. Waste treatment methods

WASTE FROM PRODUCT :

- Destruction/Disposal** : Do not discharge waste into drains
Recycle or dispose of in compliance with current legislation

CONTAMINATED PACKAGING :

- Destruction/Disposal** : Empty the packaging completely prior to disposal
Dispose of at an licensed site

- 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 13 Disposal considerations (continued)

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 : Classified Installations : applicable

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

REGULATION EC No 648/2004 : Contains :
- Phosphates : < 5 %
- Non-ionic surfactants < 5 %
- Disinfectants
- Perfumes
- d-Limonene

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.

*** 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.

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