



# SAFETY DATA SHEET

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Version : 2

Date : 8 / 10 / 2013

Supersedes : 16 / 8 / 2010

**NEUTRAGUARD NEO****1054701**

## SECTION 1 Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Product name : NEUTRAGUARD NEO

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses : Antifreeze for central heating installations and frozen water installations

### 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  
Poisons Information Centre (Hungary) : +36 80 201 199  
Anti-poison Centre (United Kingdom) : +44 870 600 6266  
Anti-poison Centre (Netherlands) : +31 30 274 8888  
Anti-poison Centre (Belgium) : +32 70 245 245  
Anti-poison Centre (Spain) : +34 91 562 04 20

## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45 : This product is not classified as a "hazardous preparation" according to European Community regulations

### 2.2. Label elements

Labelling EC 67/548 or EC 1999/45 : None

2.3. Other hazards : None under normal conditions

## SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation : Preparation

Chemical nature : Mixture containing mainly :  
Propylene Glycol

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
Propane-1,2-diol	> 85 %	57-55-6	200-338-0	-----	01-2119456809-23	Not classified. (DSD/DPD) Not classified. (GHS)

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## NEUTRAGUARD NEO

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### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

- Inhalation** : Not specifically applicable
- Skin contact** : Rinse with water  
If case of redness or irritation, call a doctor
- Eye contact** : Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum)  
If irritation persists, consult an eye specialist
- Ingestion** : Rinse mouth out with water  
Never attempt to induce vomiting  
Seek medical attention if ill effect develops.

**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  
Carbon dioxide (CO<sub>2</sub>)  
Alcohol-resistant foam  
Powders

**Unsuitable extinguishing media** : Strong water jet

**5.2. Special hazards arising from the substance or mixture** : May release hazardous fumes.

#### 5.3. Advice for firefighters

**Specific fire fighting methods** : Do not attempt to fight the fire without suitable protective equipment  
Cool down the containers exposed to heat with a water spray

**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** : Keep away from ignition sources (including static discharges).  
Avoid contact with skin and eyes  
Do not breathe vapours

**6.2. Environmental precautions** : Prevent the product from entering drains

#### 6.3. Methods and material for containment and cleaning up

**- Neutralization** : Absorb spillage with:  
- inert material (sand, earth)

**- 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"

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**NEUTRAGUARD NEO**
**1054701**
**SECTION 7 Handling and storage**
**7.1. Precautions for safe handling**
**Precautions**

: Handle in well ventilated areas  
 Keep away from sources of ignition - No smoking.  
 May form an explosive mixture in the presence of air  
 Avoid any direct contact with the product

**Industrial hygiene**

: Always wash hands after handling the product  
 Do not drink, eat or smoke in the workplace

**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 :  
 - in an airtight and suitably labelled container.  
 - in a cool, well-ventilated area  
 - protected from humidity  
 - away from direct sunlight  
 - at temperature not exceeding 40°C

**Incompatible products**

: Strong oxidizing agents

**Packaging materials**
**- Recommended**

: Stainless steel  
 Aluminium.

**- Not suitable**

: Zinc.

**7.3. Specific end use(s)**

: No data

**SECTION 8 Exposure controls/personal protection**
**8.1. Control parameters**
**Engineering measures**

: Ensure good ventilation of the work station

**8.1.1. Occupational Exposure Limits**

: Propane-1,2-diol : United Kingdom : WEL - TWA (8h; mg/m<sup>3</sup>) : 474  
 Propane-1,2-diol : United Kingdom : WEL - TWA (8h; ppm) : 150

**8.2. Exposure controls**
**Personal protection :**
**- Respiratory protection**

: If the ventilation is suitable, it is not essential to wear respiratory equipment

**- Hand protection**

: Nitrile-rubber protective gloves

**- Eye protection**

: Safety goggles

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

: Liquid

**Colour**

: Red

**9.1.b. Odour**

: None

**9.1.c. Odour threshold**

: No information available

**9.1.d. pH**

: 7.5 - 9 (Aqueous solution - 33 g/100ml)

**9.1.e. Melting point / Freezing point**

: -60°C

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**SECTION 9 Physical and chemical properties (continued)**

9.1.f. Initial boiling point - boiling range	: 139 °C
9.1.g. Flash point	: > 100 °C (Closed cup)
9.1.h. Evaporation rate	: No information available
9.1.i. Flammability	: Difficult to ignite
9.1.j. Explosion limits (lower - upper)	
Explosion limits - lower	: 2.4 % (volume)
Explosion limits - upper	: 17.4 % (volume)
9.1.k. Vapour pressure	: No information available
9.1.l. Vapour density	: No information available
9.1.m. Density	: 1.053 g/cm <sup>3</sup> at 20 °C
9.1.n. Solubility	
-in water	: Complete
9.1.o. Partition coefficient : n-octanol / water	: -1.07 ( Propylene Glycol )
9.1.p. Auto-ignition temperature	: No information available
9.1.q. Thermal decomposition	: No information available
9.1.r. Viscosity	: No information available
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	: No dangerous reactions known under normal conditions of use
10.4. Conditions to avoid	: Avoid : > +40°C Moisture.
10.5. Incompatible materials	: - strong oxidizing agents - zinc
10.6. Hazardous decomposition products :	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases

**SECTION 11 Toxicological information**

11.1. Information on toxicological effects	
• Acute toxicity	
On ingredients	
Propane-1,2-diol	: Rabbit dermal, LD50 [mg/kg] : 20800 : Rat oral LD50 [mg/kg] : 20000
• Irritation	: Not irritating to rabbits on cutaneous application Not irritating to rabbits on ocular application

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**SECTION 11 Toxicological information (continued)**

- Corrosivity : No information available
- Sensitisation : No sensitizing reaction was observed for guinea pigs.
- Repeated dose toxicity : No information available
- Carcinogenicity : No information available
- Mutagenicity : No information available
- Toxicity for reproduction : No information available

**SECTION 12 Ecological information**
**12.1. Toxicity**
**Effects on the aquatic environment**
**On ingredients**

- Propane-1,2-diol** : 48 Hour - EC50 - Daphnia magna [mg/l] : 1000  
 : 72 Hour - EC50 - Algae (Selenastrum capricornutum) [mg/l] : 1000  
 : 96 Hours - LC50 - Fish (Pimephales Promelas) [mg/l] : 1000

**12.2. Persistence and degradability** : Readily biodegradable

**12.3. Bioaccumulative potential** : Not potentially bioaccumulable.

**12.4. Mobility in soil** : No information available

**12.5. Results of PBT and vPvB assessment** : No information available

**12.6. Other adverse effects**

**Effect on sewage treatment plant** : Does not affect the functioning of waste-water treatment plants

**SECTION 13 Disposal considerations**
**13.1. Waste treatment methods**
**WASTE FROM PRODUCT :**

**Destruction/Disposal** : Dispose of in accordance with relevant local regulations

**CONTAMINATED PACKAGING :**

**Destruction/Disposal** : Destroy at an authorised site

**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

**NOTE** : The above regulatory prescriptions are those valid on the date of publication of this sheet  
 However, given the possible evolution of transport regulations for hazardous materials, in case the present sheet is dating back to more than 12 months ago, it would be advisable to check their validity with your commercial agency

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### 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 :** : Water hazard class : 1 (specific classification)

**NOTE :** : The regulatory information given in this part only indicate the principal regulations specifically applicable to the product described in the Safety Data Sheet.  
The cited basic Community texts are being updated and transcribed in national law.  
Refer to all applicable national, international and local regulations or provisions.  
The user's attention is drawn to the possible existence of additional provisions which complete these regulations.

**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.

**\* 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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