



De'Longhi Group

Revision n. 1  
Dated 01/06/2019  
Printed on 01/06/2019

ECOMULTICLEAN

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## Security Data Sheet

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

#### 1.1. Product identifier

Code: ---  
Product name EcoMulticlean

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

Intended use Universal detergent of coffee machine

#### 1.3. Details of the supplier of the safety data sheet

Company name De'Longhi Appliances S.r.l.  
Address via Lodovico Seitz, 47  
City and Country 31100 Treviso (TV)  
ITALY  
tel. +39 (0)422 4131 (Switchboard- office hours Mon-Fri 08:00am – 5:00pm)  
fax +39 (0)422 413736  
Toll-free number 800 854040 (Mon-Fri 08:00am-6:30pm / Sat 08:00am-12:00pm)

#### 1.4. Emergency telephone number

For urgent inquiries refer to tel. +39 (0)422 4131 (Switchboard- office hours Mon-Fri 08:00/12:30 – 13:30/17:00)

### SECTION 2. Hazards identification.

#### 2.1. Classification of the substance or mixture.

The product is classified as not hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements, as it contains no substances in concentration that is necessary to declare at section 3. However, for the product a safety datasheet is available, that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication: none

#### 2.2. Label elements.

Hazard pictograms: none

Signal words none

Hazard statements: none

Precautionary statements: none

Reg. (CE) 648/2004. < 5% amphoteric surfactant, 5-15% non ionic surfactant

#### 2.3. Other hazards.

Information not available.

### SECTION 3. Composition/information on ingredients.

#### 3.2. Mixtures.

Contains:

| Substance.                                 | Conc. %.   | Classification 1272/2008 (CLP). |
|--|------------|---------------------------------|
| 2-PROPYLHEPTANOL ETHOXYLATED, PROPOXYLATED | 5 ≤ C < 10 | Eye Irrit. 2 H319               |
| CAS No 166736-08-9                         |            |                                 |
| EINECS No 605-450-7                        |            |                                 |
| REACH No -                                 |            |                                 |

### SECTION 4. First aid measures.

#### 4.1. Description of first aid measures.

Eyes: Wash with plenty of water for at least 15 min If symptoms occur, get medical attention.

Skin: remove contaminated clothing, take a shower.

Ingestion: Drink a large amount of water. In case, consult a doctor. Do not induce vomit without authorization of a doctor.

Inhalation: Ventilate the premises. The patient is to be removed from the contaminated premises and made to rest in a well ventilated area. Should the patient feel unwell, obtain medical attention.

#### 4.2. Most important symptoms and effects, both acute and delayed.

No episodes of damage to health ascribable to the product have been reported. For more information, see section 11.

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

Information not available.



## SECTION 5. Firefighting measures.

### 5.1. Extinguishing media.

**SUITABLE EXTINGUISHING EQUIPMENT** The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

**UNSUITABLE EXTINGUISHING EQUIPMENT** Avoid water jet. Water may be used to cool closed containers to prevent pressure build up and possible auto ignition or explosion when exposed to extreme heat.

### 5.2. Special hazards arising from the substance or mixture.

**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Pressure build up can occur with explosion risk. Avoid inhalation of material or combustion by-products.

### 5.3. Advice for firefighters.

**GENERAL INFORMATION**

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

**SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS**

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

### 6.1. Personal precautions, protective equipment and emergency procedures.

Stop the flow of material, if this is without risk.

**6.1.1 Personal precautions:**

Keep away and wait until emergency personnel bring back to safe the area.

**6.1.2 For emergency responders:**

Wear appropriate protective equipment and clothing.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use

### 7.2. Conditions for safe storage, including any incompatibilities.

Keep the product in clearly labelled containers. Keep containers away from any incompatible materials, see section 10 for details.

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

Information not available.

## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

| Descrizione      | State    | TWA/8h |     | STEL/15min |     |   |
|------------------|----------|--------|-----|------------|-----|---|
|                  |          | mg/m3  | ppm | mg/m3      | ppm |   |
| MONOETHANOLAMINE | TLV-TWA  | 7,5    | 3   |            |     |   |
|                  | TLV-STEL | 15     | 6   |            |     |   |
|                  | OEL      | EU     | 2,5 | 1          | 7,6 | 3 |
|                  | VLEP     | ITA    | 2,5 | 1          | 7,6 | 3 |
|                  | WEL      | GBR    | 2,5 | 1          | 7,6 | 3 |
|                  | VLEP     | FRA    | 2,5 | 1          | 7,6 | 3 |
|                  | VLA      | ESP    | 2,5 | 1          | 7,6 | 3 |

Concentration of no effect - PNEC

Reference value fresh water 0,085 mg/l

Reference value sea water 0,0085 mg/l

Reference value fresh water sediment 0,434 mg/kg

Reference value sea water sediment 0,0434 mg/kg

Reference value water intermittent discharge 0,028 mg/l

Reference value microorganism STP 100 mg/l

Reference value terrestrial 0,0367 mg/kg



Health – Level of no effect - DNEL / DMEL

| Exposure   | Effect on consumer |                   |                  |                     | Effect on workers |                |                   |                     |
|------------|--------------------|-------------------|------------------|---------------------|-------------------|----------------|-------------------|---------------------|
|            | Local<br>Acute     | Systemic<br>Acute | Local<br>Chronic | Systemic<br>Chronic | Local<br>Chronic  | Local<br>Acute | Systemic<br>Acute | Systemic<br>Chronic |
| Oral       |                    |                   | VND 3,75mg/kg    |                     |                   |                |                   |                     |
| Inhalation |                    |                   | VND 2 mg/Kg      |                     |                   |                | VND               | 3.3 mg/Kg           |
| Dermal     |                    |                   | VND 0,24 mg/Kg   |                     |                   |                | VND               | 1 mg/Kg             |

**8.2. Exposure controls.**

Observance of safety measures used in handling chemical substances.

HAND PROTECTION: Not needed for normal use

SKIN PROTECTION: Not needed for normal use.

EYE PROTECTION: suggested to wear chemical goggles or face shield.

RESPIRATORY PROTECTION: Not needed for normal use.

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

|                            |                |
|----------------------------|----------------|
| Odour:                     | Characteristic |
| Aspect                     | colourless     |
| pH:                        | 11 ca          |
| Melting point:             | < 0 °C         |
| Boiling point:             | > 100 °C       |
| Flash point:               | not flammable  |
| Auto ignition temperature: | none           |
| Explosive properties:      | none           |
| Oxidizing properties:      | none           |
| Vapour pressure:           | n.d.           |
| Relative density:          | 1.01 approx.   |
| Solubility in water:       | total          |
| Vapour density:            | n.d.           |

**9.2. Other information.**

VOC (Directive 1999/13/CE) : 0,80 % - 8,08 g/l.

VOC (volatile organic carbon) : 0,31 % - 3,17 g/l

**SECTION 10. Stability and reactivity.****10.1. Reactivity.**

There are no particular risks of reaction with other substances in normal conditions of use

**10.2. Chemical stability.**

The product is stable in normal conditions of use and storage.

**10.3. Possibility of hazardous reactions.**

No hazardous reactions are foreseeable in normal conditions of use and storage

**10.4. Conditions to avoid.**

None in particular. However, the usual precautions used for chemical products should be respected. Avoid heating and solar radiation exposure. Do not mix with strong oxidant.

**10.5. Incompatible materials.**

None.

**10.6. Hazardous decomposition products.**

Does not occur in normal condition.

**SECTION 11. Toxicological information.**

According to currently available data, this product has not yet produced health damages. Anyway, it must be handled according to good industrial practices.

**11.1. Information on toxicological effects.**

a) acute toxicity:

Based on calculation and data on raw materials, the mixture does not present this hazard.

b) Skin corrosion/irritation:

Based on calculation, pH and data on raw materials, the mixture does not present this hazard

c) Serous eye damage/irritation:

Based on calculation and data on raw materials, the mixture does not present this hazard

d) sensitization (skin or respiratory):

Based on calculation and data on raw materials, the mixture does not present this hazard

e) mutagenicity on germ cells:

Based on calculation and data on raw materials, the mixture does not present this hazard

f) carcinogenicity:

Based on calculation and data on raw materials, the mixture does not present this hazard

g) reproductive toxicity:

Based on calculation and data on raw materials, the mixture does not present this hazard

h) STOT — single exposure:

Based on calculation and data on raw materials, the mixture does not present this hazard

i) STOT — repeated exposure:



Based on calculation and data on raw materials, the mixture does not present this hazard  
j) aspiration hazard:

Based on calculation and data on raw materials, the mixture does not present this hazard

## SECTION 12. Ecological information.

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

### 12.1. Toxicity.

The product is not dangerous for the environment.

### 12.2. Persistence and degradability.

Information not available.

### 12.3. Bioaccumulative potential.

Information not available.

### 12.4. Mobility in soil.

Information not available.

### 12.5. Results of PBT and vPvB assessment.

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

### 12.6. Other adverse effects.

Information not available.

## SECTION 13. Disposal considerations.

### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Avoid littering. Do not contaminate soil, sewers and waterways.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

## SECTION 14. Transport information.

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations

## SECTION 15. Regulatory information.

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

Seveso category: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006: None

Substances in Candidate List (Art. 59 REACH): None.

Substances subject to authorisation (Annex XIV REACH): None.

Substances subject to exportation reporting pursuant to (EC) Reg. 689/2008: None.

Substances subject to the Rotterdam Convention: None

Substances subject to the Stockholm Convention: None.

Healthcare controls: not necessary

### 15.2. Chemical safety assessment.

No chemical safety assessment has been processed for the mixture.

## SECTION 16. Other information.

Full text of H-Statements referred to under sections 2 and 3

H319 Causes serious eye irritation

### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labelling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%



- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as Reach Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation.

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EC) 453/2010 of the European Parliament
5. Regulation (EC) 286/2011 (II Atp. CLP)
6. Regulation (EC) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (UE) 487/2013 of the European Parliament (IV Atp. CLP)
8. Regulation (UE) 944/2013 of the European Parliament (V Atp. CLP)
9. Regulation (UE) 605/2014 of the European Parliament (VI Atp. CLP)
10. Regulation (UE) 2015/1221 of the European Parliament (VII ATP CLP)
11. Regulation (UE) 2016/918 of the European Parliament (VIII ATP CLP)
12. Regulation (UE) 2016/1179 of the European Parliament (IX ATP CLP)
13. Regulation (UE) 2017/776 of the European Parliament (X ATP CLP)
14. Regulation (CE) 1907/2006 of the European Parliament (REACH)
15. The Merck Index. - 10th Edition
16. Handling Chemical Safety
17. Niosh - Registry of Toxic Effects of Chemical Substances
18. INRS - Fiche Toxicologique (toxicological sheet)
19. Patty - Industrial Hygiene and Toxicology
20. N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
21. ECHA website
22. MSDS of single component.

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Modified parts.

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