

Safety Data Sheet according to EC-Regulation 91/155/EEC

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation

Brand name: DèLonghi Milk Clean

1.2 Use of the substance/preparation

Cleaner for milk froth brewing devices.

1.3 Company/undertaking identification

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Telephone: +39 (0) 422 4131, Email: info@delonghi.it
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1.4 Emergency telephone/Office for advice

Emergency poisoning centre Freiburg Telephone: +49 (0) 761 19 240

Emergency phone number within distribution country: to be registered and implemented by the distributor

2. Composition/information on ingredients

<u>2.1 Chemical name</u>	<u>content %</u>	<u>Symbol</u>	<u>R – Sätze</u>	<u>EINECS, ELINCS</u>
Kaliumhydroxid		Xi	36/38	215-181-3

3. Hazards identification

3.1 To People

See Point 11 and 15.
Preparation is classified as hazardous in the sense of directive 1999/45/EG.
Irritation of the eyes.
Irritation of the skin.

3.2 To the environment

See point 12.

4. First aid measures

4.1 Inhalation

Remove person from danger area.
Supply person with fresh air and consult doctor according to symptoms.

4.2 Eye contact

Wash thoroughly using copious water – remove contaminated clothing immediately, have Data Sheet available. Keep Data Sheet available

4.3 Skin contact

Wash thoroughly using copious water – remove contaminated clothing immediately. If skin irritation occurs (redness ect.), consult doctor.

4.4 Ingestion

Rinse the mouth thoroughly with water.
Never pour anything into the mouth of an unconscious person!
Do not induce vomiting – give copious water to drink. Consult doctor immediately.

4.5 Special resources necessary for first aid

Indications for the physician:
Ingestion of large quantities:
Gastric lavage

5. Fire-fighting measures

5.1 Suitable extinguishing media

Product is not combustible.
Adapt to the nature and extent of fire.
Water mist
Extinguishment powder
Foam

5.2 Extinguishing media which must not be used for safety reasons

None known

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:
Oxides of Carbon
Oxides of phosphorus
Oxides of sulphur
Oxides of nitrogen
Ammonia

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply
According to size of fire
Full protection, if necessary

5.5 Further information

Dispose of contaminated extinguishment water according to official regulations.

6. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply air.
Avoid contact with eyes or skin.
If applicable, caution – risk of slipping.

6.2 Environmental measures

If leakage occurs, dam up.
Prevent surface and ground-water infiltration, as well as ground penetration.
Prevent from entering drainage system.
If accidental entry into drainage system occurs, inform responsible authorities.

6.3 Methods for cleaning up

Collect using absorbent material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13. Neutralising is possible (only from a specialist)

7. Handling and storage

7.1 Handling

Tips for sale handling:

See point 6.1

Ensure good ventilation.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Wash hands before breaks and at end of work

Observe directions on label and instruction for use.

Use working methods according to operating instructions.

7.2 Storage:

Requirements for storage rooms and containers:

Not to be stored in gangways or stair wells.

Store products only unopened, in original packing.

Do not use acid sensitive materials.

Special storage conditions:

See point 10.2

Store at room temperature.

8. Exposure controls/personal protection

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the OES, MEL or MAK values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

8.1 Respiratory:

Normally not necessary

8.2 Hand protection:

Use acid resistant protective gloves (EN 347)

If applicable

Rubber gloves (EN 374).

Protective gloves in butyl rubber (EN 374)

Protective Neopren gloves (EN 347)

Protective hand cream recommended.

8.3 Eye protection:

Tight fitting protective goggles with side protection (EN 166)

8.4 Skin Protection:

Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments)

Additional information on hand protection – No tests have been performed

Selections made for preparations according to the best available knowledge and information on the ingredients. Selections of materials derived from glove manufacturer's indications.

Final selections of glove materials must be taking the breakthrough times, permeation rates and degradation into account.

Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of preparation the resistance of glove material cannot be calculated in advance so it has to be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

9. Physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Characteristic
pH-value:	10,5 – 11,0
Boiling point/rage (in °C):	n.v.
Melting point/rage (in °C):	n.v.
Flash Point (°C):	n.g.
Relative density (g/ml):	n.g.
Solubility:	Mixable

10. Stability and reactivity

10.1 Conditions to avoid

See point 7

Stable when handled and stored correctly.

10.2 Materials to avoid

See point 7

10.3 Hazardous decomposition products

See point 5.3

11. Toxicological Information

11.1 Acute toxicity and immediate effects

Ingestion, LC50 rat oral.(mg/l/4h):	n.v.
Inhalation, LC50 rat inhal.(mg/l/4h):	n.v.
Skin contact, LC50 rat dermal.(mg/kg):	See point 15.
Eye contact:	See point 15.

11.2 Acute toxicity and immediate effects

Sensitization:	k.D.v.
Carcinogenicity:	k.D.v.
Mutagenicity:	k.D.v.
Reproductive:	k.D.v.
Narkotisierende Wirkung:	k.D.v.

11.3 Further information

Classification according to calculation procedure.

The following may occur:

Corneal damage.
Corrosive burns on skin as well as mucous membrane possible.
Ingestion:
Irritation of mouth and throat
Gastrointestinal

12. Ecological information

Water hazard class (Germany):	1
Self classification:	Yes (VwVwS)
Persistence and degradability:	n.v.
Behaviour in sewage plants:	Note pH value.
Aquatic toxicity:	n.v.
Ecological toxicity:	n.v.

13. Disposal considerations

13.1 for the material / preparation / residue


Type of disposal: In regard to waste disposal, different federal, state, or local regulations may apply. Please ensure that all applicable regulations are observed properly!

14. Transport information

General statements: No restrictions

15. Regulatory information

Classifications according to Dangerous Product Regulations incl. EC Directives (67/548/EEC and 1999/45/EC)

Symbole:	Xi	
Indication of danger:	Irritant	
R-phrases:	36/38 = Irritating to eyes and skin	
S-phrases:	2 = Keep out of the reach of children.	
	24/25 = Avoid contact with skin and eyes.	
	35 = This material and its container must be disposed of in a safe way.	
	46 = If swallowed, seek medical advice immediately and show this container or label.	
Additions:	n.a.	Xi Reizend
Observ restrictions:	Yes	
Observ youth employment law (German regulation).		

16. Other Information

These details refer to the product as it is delivered:

Storage class VCI (Germany): 8 B L
Revised points: n.a.

The following phrases represent the prescribed R-phrases for the ingredients (designated in point 2):

36/38 Irritating to eyes and skin.

17. Legend

n.a. = not applicable
n.v. = not available
n.g. = not checked
k.D.v. = no facts available
AG = "Arbeitsplatzgrenzwert" (workplace limit value, Germany)
BG = „Biologischer Grenzwert“ (biological limit value, Germany)
VbF = Regulations for flammable liquids (Austria)
WGK = water hazard class (Germany)
WGK 1 = slightly to water
WGK 2 = hazardous
WGK 3 = very hazardous
VOC = Volatile organic compounds / AOX = Absorbable organic halogen compounds
VwVwS = Administrative Order relating to substance hazardous to water (Germany)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics – but they are based on our present up-to-date knowledge. No responsibility.

Exhibit by:

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