



# TECHNICAL DATA SHEET

MILK DESCALER DL

Code 320

SER3013

Issued: 01 June 2010



## Security Data Sheet

### TECHNICAL SHEET

#### MILK CLEAN

Code 320

#### INTENDED USE:

Detergent for milk fat - hygienic cleaning of cappuccino nozzles. DESCRIPTION :MILK CLEAN provides effective and long-lasting cleaning of all the types of cappuccino nozzle. Protects all the sensitive materials, keeping them clean longer.

#### CHARACTERISTICS:

##### Appearance:

Clear colourless liquid  
Chemical stability: Not less than six months in normal conditions.  
Storage temperature: Between 5 and 35°C  
Incompatibility: None at the use conditions  
Specific density at 20°C: 1.000 g/l  
Phosphorus (P): NopH sol. 1% at 20 °C: 10 ± 0.5  
Biodegradability: > 90%  
Articles 2 and 4, Law No.136 of 26.04.83  
CHEMICAL COMPOSITION: Reg. EC 648/2004 < 5% sequestering agents. Between 5 and 15% non-ionic surface-active compounds.

RECOMMENDED DOSAGES: Please follow the manufacturer's instructions. Mix Milk Clean in a proportion of 1:10 with water (depending on amount of material to clean, increase the concentration of the product). Allow to work briefly then rinse with water.

LABELLING: In accordance with the provisions of Ministerial Decree 28.01.92 No 46 and subsequent updates on the labelling of hazards for preparations, the label does not require any hazard symbols; however, since it is a chemical-based product, we recommend using it with care, avoiding all contact with eyes and keeping the product out of the reach of children.

PACKAGING: 250 ML bottle

## Safety Data Sheet

### Code 320 MILK CLEAN

#### 1. Identification of the substance / preparation and the Company

##### 1.1 Identification of the substance or preparation

Code: 320 Product name MILK CLEAN 1.2 Use of the substance / preparation Description/Use Hygienic cleaning of the cappuccino nozzles 1.3 Identification of the Company Company name Italtchimes s.r.l. Address via Bottenigo 139 City and country 30175 Marghera (VE) ITALY tel. +39 041/932853 fax +39 041/929929 1.4 Emergency telephone number For urgent inquiries, call +39 348/7498585 Email: [info@italchimes.it](mailto:info@italchimes.it) Web [www.italchimes.it](http://www.italchimes.it)

#### 2. Hazards identification

##### 2.1 Classification of the substance/preparation

Preparation is not classified dangerous as per the criteria laid down in Directives 67/548/EEC and 1999/45/EC and subsequent modifications and amendments. Preparation, however, containing concentrations of hazardous substances such as declared in section 3, requires a safety data sheet containing the information required under EC Regulation No. 907/2006 and subsequent amendments.

#### 3. Composition / Information on the ingredients Content:

**Name Concentration (C) Classification** EDTA5 <= C < 6R52/53 Cas. No. 60-00-4XiR36 EC No. 200-449-

4MONOETHANOLAMINE1 <= C < 1.5XnR20, R36/37/38 Cas. No. 141-43-5 EC No. 205-483-3

The full text of risk phrases (R) is given in section 16 of this document.

No injuries are known to have occurred to persons responsible for using the product. However, if necessary, adopt the following general measures:

**INHALATION:** Take the victim into fresh air. If breathing is difficult, apply artificial breathing and call a doctor.

**INGESTION:** Consult a doctor; induce vomiting only on the instructions of a doctor; never give an unconscious person anything by mouth.

**EYES and SKIN:** Rinse with plenty of water; consult a doctor if the irritation persists.

#### 5. Fire fighting measures

Cool the containers to prevent product decomposition and the development of potentially hazardous substances for health and safety. Always wear full protective equipment for fighting fires.

#### 6. Measures in the event of accidental leakage

Extinguish/remove sources of ignition or heat; cover the spillage with absorbent material; collect as much as possible of the remaining mass and rinse away the rest with water. For information on environmental and health risks and on the means of protection, refer to the other sections of the sheet.

#### 7. Handling and storage

Make sure that equipment is available for cooling the vessels to prevent the danger of overpressure and overheating in the event of a fire nearby.

#### 8. Exposure controls/personal protection

##### 8.1 Exposure limits

Description Type Form TWA/8h STEL/15min mg/m<sup>3</sup> ppm mg/m<sup>3</sup> ppm MONOETHANOLAMINE TLV-TWA 7.53 TLV-STEL 156

##### 8.2 Exposure controls

To keep exposure low, use personal protection devices that are suitable for the specific type of work, such as: a mask suited to the product, safety glasses, gloves and coveralls.

Do not eat, drink or smoke when using this product; wash hands well with soap and water before meals and after the work shift.

#### 9. Physical and chemical properties

Colour Colourless Odour Characteristic Physical form Liquid Solubility Soluble in water Storage temperature Stable from 5 to 40°

CViscosity N.D. Vapour density N.D. Evaporation rate N.D. Combustion properties N.D. Division coefficient: n-

octanol/water N.D. pH 1 Boiling point N.D. Flash point >60°C Explosive properties N.D. Vapour pressure N.D. Specific weight 1.016 kg/l

#### 10. Stability and reactivity

The product is stable under normal conditions of use and storage. In the event of thermal decomposition or fire, vapours may be released that are potentially dangerous to your health.

EDTA: the acid is less stable than its salts and tends to undergo a decarboxylation reaction at over 150°C with CO<sub>2</sub> emission. The substance is stable on storage and is an antioxidant. The aqueous suspensions react acidic, with CO<sub>2</sub> issuing from the carbonates and hydrogen from the metals.

The finished product is stable for no less than 6 months when stored at normal conditions.

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### 11. Toxicological information

No damage to health is known to have occurred to persons exposed to the product. In any case, we recommend always complying to the rules of good industrial hygiene. For particularly sensitive persons, the preparation can cause slight effects to the health from inhalation and/or skin absorption and/or contact with the eyes and/or ingestion.

EDTA: oral LD50 (mg/kg) 1658 (RAT)

MONOETHANOLAMINE: oral LD50 (mg/kg) > 2000 (RAT)

### 12. Ecological information

Follow good working practices when using this product and do not litter. Inform the competent authorities should the product reach waterways or sewers or contaminate soil or vegetation.

This surfactant complies with the biodegradability criteria as laid down in Regulation 648/2004 on detergents.

### 13. Disposal considerations

Consider the possibility of burning the product in a suitable incinerator.

Always neutralize before any treatment, including biological if practicable.

If the waste is in solid form, it can be disposed of in a landfill in accordance with the technical regulations required by the current authorities. This is also valid for empty containers after they have been properly rinsed. Never dispose of this product in drains or in surface or underground waters.

### 14. Transport information

The preparation is not considered dangerous under current provisions governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG Code) and air (IATA).

### 15. Information on regulation

Hazard symbols: None

Risk phrases (R): None

Safety advice (S): None

The product does not require hazard labelling pursuant to Directives 67/548/EEC and 1999/45/EC and subsequent amendments.

### 16. Other information

Text of the risk phrases (R) reported in section 3 of this document:

R22HARMFUL IF SWALLOWED R35CAUSES SERIOUS BURNS R36/37/38 IRRITANT FOR THE EYES, RESPIRATORY SYSTEM AND THE SKIN R52/53 HARMFUL TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

GENERAL BIBLIOGRAPHY:

1. Directive 1999/45/EC and subsequent amendments
2. Directive 67/548/EEC and subsequent amendments and modifications (technical modification XXIX)
3. Regulation (EC) 1907/2006 of the European Parliament (REACH)
4. The Merck Index. Ed. 10
5. Handling Chemical Safety
6. Niosh - Registry of Toxic Effects of Chemical Substances
7. INRS - Fiche Toxicologique
8. Patty - Industrial Hygiene and Toxicology
9. N.I. Sax - Dangerous properties of Industrial Materials-7 Ed., 1989

Note to users:

The information contained in this data sheet is based on the knowledge available to us at the date of the last version. It is the responsibility of the user to determine the appropriateness and applicability of this information in relation to their specific use of the product.

This document must not be interpreted as a guarantee of any specific property of the product.

As the use of this product does not come within our direct control, users must, under their responsibility, observe the laws and rules in force in the areas of hygiene and safety. The manufacturer is relieved from any liability arising from improper usage.