



# TECHNICAL DATA SHEET

DESCALER DL

Issued Date: 01 January 2010

## Security Data Sheet Code 217 DLS Decalcifier

### 1. SUBSTANCE/ PRODUCT IDENTIFICATION AND SOCIETY IDENTIFICATION

**Code:** 217

Name DLS Decalcifier

**Substance/product:** Employment

**Description / Employment:** DECALCIFIER FOR COFFEE MACHINES

Society's identification

Company Name Italchimess.r.l.

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### 2. DANGER IDENTIFICATION

The product is "not dangerous" classified in compliance with standard 67/578/CEE, 1999/45/CE and up-datings and modifications. Anyway, the product, as per its dangerous substances content in a such high concentrated percentage to be declared into section no3, requires a Security data sheet with adequate information, in compliance with standard (CE) 1907/2006 and its up-datings. The product is characterized by extremely high pH value, and its classification is based on test results performed into vitro test and regularly validated as per Standard 67/548/CEE, paragraph 3.2.5 of attachment no VI and up-datings.

### 3. COMPOSITION / INFORMATION ABOUT INGREDIENTS

Content

**Denomination Concentration (C) Classification**

SOLFAMMIC ACID 2<=C<5 R52/53

Cas No 5329-14-6 Xi R36/38

CE No 226-218-8

Index No 016-026-00-0

The complete test of the risk sentences (R) is drawn into section 16 of the data sheet.

### 4. MEASURES OF FIRST AID

**EYES:** wash immediately and abundantly with water for 15 minutes at least. Immediately consult a doctor.

**SKIN:** wash immediately and abundantly with water. Take off the contaminated clothes.

If irritation persists, consult a doctor. Wash immediately the contaminated clothes before using.

**INHALATION:** take out the subject into open air. If respiration is difficult, immediately consult a doctor.

**INGESTION:** immediately consult a doctor. Induce vomiting only on a doctor request. Give nothing oral way if the subject is not conscious or if you are not authorized by the doctor.

## 5. FIRE MEASURES

Cool the containers in order to avoid the product decomposition and the development of potentially dangerous substances for health and security. Always wear the complete fire proof protection equipment.

## 6. REPAIRING MEASURES IN CASE OF ACCIDENTAL RELEASE

Embarking the losses with inert absorbing material (sand, earth etc.) Neutralize and remove the possible highest part of the dealed part. Wash away the remaining part with abundant water.

## 7. HANDLING AND STORAGING

Ensure the availability of cooling equipments for containers, in order to avoid over pressuring danger and overheating in case of fire into neighborhood.

## 8. EXPOSITION CONTROL / INDIVIDUAL PROTECTION

**Limit values of exposition:** N.D.

**Exposition controls:** To reduce exposition, employ individual protection equipment useful for this specific working, such as (for example) specific mask related to the product nature, glasses, gloves and job overalls. Avoid eating, drinking and smoking during use; carefully wash hands with water and soap before meals and after working shift.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Colour:** No colour

**Odour:** Characteristical

**Physical state:** Liquid

**Solubility:** Water Soluble

**Stock Temperature:** Stable from 5 to 35 degrees Celsius

**Viscosity:** N.D.

**Vapours:** Density N.D.

**Speed of evaporation:** N.D.

**Combustion properties:** N.D.

**Division coefficient:** n-ottanolo/water N.D.

**pH:** 2

**Boiling point:** N.D.

**Inflammation point:** >60 degrees Celsius

**Esplosiveproperties:** N.D.

**Vapourtension:** N.D.

**Specific weight:** 1,03kg/l

**VOC:**(Directive 1999/13/CE) 0

**VOC:** (volatile carbon) 0

## 10. STABILITY AND REACTIVITY

The product is stable into normal conditions of employment and storage. For thermal decomposition or fire, potentially dangerous vapors for the health can be freed. SOLFAMMIC ACID: oral LD50 (mg/kg) 1450 (RAT)  
CITRIC ACID: oral LD50 (mg/kg) 3000 (RAT)

## 11. ECOLOGICAL INFORMATION'S

Use in respect to the good working practice rules, avoid to disperse the product into the environment. Inform the authorities if the product has reached rivers or drains or if it has contaminated the ground or the vegetation.

## 12. REMOVAL CONSIDERATION

Examine the possibility to burn the product into an apt burning furnace. When product is acid or basic, it is always necessary to speed up neutralization before any other treatment, also before biological treatment, if practicable. If the wasted product is solid, it can be left into a rubbish dump as per prescriptions and technical rules dictated by pending authorizations. The above mentioned criterion is valid also for the empty containers, after correct washing. Never discharge into drains or superficial and underground waters.

## 13. TRANSPORT INFORMATION

The product is not to be considered dangerous, according to the enforced disposition regarding dangerous material transport by truck (A.D.R.), by train (RID), by sea (IMDG Code) and by air (IATA).

## 14. INFORMATION ABOUT REGULATION

**Symbols of danger:** None

**Risk Sentence (R):** None

**Caution suggestions (S):** None

Security data sheet available on request for professional users. The product is characterized by extremely high pH value, and its classification is based on test results performed into vitro trial and regularly validated as per Standard 67/548/CEE, paragraph 3.2.5 of attachment nOVI and updatings  
WATER 96.20%

## 15. OTHER INFORMATION

Text of risk sentences (R) mentioned in section 3 of the sheet.

R36/38 IRRITATING FOR THE EYES AND THE SKIN.

R37/38 IRRITATING FOR THE RESPIRATORY WAYS AND THE SKIN.

R41 SERIOUS OCULAR DAMAGE RISK

HARMFUL FOR AQUATIC ORGANISMS, IT CAN PROVOKE IN LONG TERM PERIODS,

NEGATIVE R52/53 EFFECTS FOR THE AQUATIC ENVIRONMENT.

## GENERAL BIBLIOGRAPHY

1. Directive 1999/45/CE and successive modifications
2. Directive 67/548/CEE and successive modifications and up-datings (XXIX technical up-dating)
3. Regulations (CE) 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 for users:

The here exposed information are based on the available knowledge we had at the last up-dating time. The user must get sure about the usefulness and completeness of the information in relation to the specific use of the product. The document itself must not be interpreted as warranty of specific properties of the product. As the product employ is not under our own control, the user is obliged to observe on his own responsibility the pending laws and regulations referred to hygiene and security. Responsibility for improper use are not assumed.

## TECHNICAL SHEET DECALCIFIER Code 217

### EMPLOYMENT

Decalcifier for coffee machines - domestic use.

### DESCRIPTION

Specific for periodic maintenance of coffee machines tubes, it quickly removes accumulations and incrustations of inorganic nature without corroding the machine.

### FEATURES

**Physical aspect:** Uncoloured clear liquid

**Chemical stability:** Not less than 6 months in normal conditions

**Stock Temperature:** Between 5-35 degrees Celsius

**Uncomptibility:** None into employment conditions

**Ps 20 degrees Celsius:** 1030 g/l

**Biodegradability:** Not subject to artt.2-4 L.n.136 del  
26.04.83

### CHEMICAL COMPOSITION

Reg. CE 648/2004

Less than 5% citric acid, solfammic acid, not ionic tension actives

### SUGGESTED DOSAGES

Prepare solution 1:1, (one part decalcifier, one part of clean water) fill in the water tank with approx. 1 litre of this solution and drop out of each ring nut (both for coffee ring nut and for hot water); leave in action for approximately pp y 15 minutes, then let it flow off completely and rinse with water till it becomes limpid.

### LABELLING

The product, in compliance with law D.M. 28.01.92 n. 46 and its up-datings concerning the labelling of dangerous products, does not need any symbol of danger; by the way as per all chemical products we suggest a shrewed use, avoiding the contact with the eyes and keeping the product far away from children.

### PACKAGING

500ml Bottle

Italchiness.r.l resolves the right to modify anytime the formulation of its products and therefore the data herein exposed, even if reliable, are not binding or/and they do not engage in some way the responsibility of the society.

### INTENDED USE

Descaler for professional use.

### DESCRIPTION

A specific product for the periodical serving of coffee machine. It quickly removes accumulations and scale of an inorganic nature without affecting the equipment.

# EXPRESSO COFFEE MACHINES AND HOUSEWARES



## CHARACTERISTICS

**Appearance:** Clear colourless liquid

**Chemical stability:** Not less than 6 months in normal conditions

**Storage temperature:** Between 5-40 degrees Celsius

**Incompatibility:** None in conditions of use

**Relative density at 20 degrees Celsius:** 1060 g/l

**Biodegradability:** Not subject to Articles 2-4 Law 136 of 26 April 1983

## CHEMICAL COMPOSITION

Rec. EEC 89/542

Between 5-12% mixture of organic acids

## SUGGESTED DOSAGE

Prepare a 1:1 solution (one part of descaler to three of clean water) and follow the equipment manufacturer's instructions.

## LABELLING

Pursuant to the provisions of Ministerial Decree 46 of 28 January 1992 and amendments regarding danger warnings on product labels, no danger symbol is necessary for this product. Nevertheless, as it is a chemical formulation, users are advised to handle it with care, avoiding contact with the eyes and keeping it out of reach of children.

## PACKAGING

250ml bottles

Italcimes reserves the right to change the composition of its products at any time, so that, while the information given in this data sheet is reliable, it is not binding on the Company, nor does it in any way involve the company in any liability.