



# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

## CALCINET®

CONCENTRATED POWDER DESCALER

PROFESSIONAL USE – COMMERCIAL USE

Data di stampa: 01/09/2013    Revisione: 01/09/2013    Versione: 1.0.1    Versione precedente 1.0.1

### 1. COMPANY AND PRODUCT IDENTIFICATION

- 1.1. Commercial name: **CALCINET**
- 1.2. Employ: descaler for electric coffee machine boiler, dishwasher and laundry machine
- 1.3. Supplier: ASACHIMICI – Via N.

1.4. Emergency call: Centro Antiveleni – Ospedale di Niguarda – Mi - Tel. +39 02/66101029

### 2. WARNINGS

Irritating to the eyes and skin. Harmful to the aquatic environment, in a long term use may cause negative effects to the aquatic environment. **Store out of the reach of children** - Do not inhale powder - Avoid contact with eyes. Danger symbols: **Xi IRRITANT R36/38 – R52/53**

### 3. INGREDIENTS

Consists of a mixture of organic acids and reaction buffer salts. (EC Rec. 89/542): >30%: sulphamic acid (Xi R36/38 R52/53 - CAS Nr. 5329-14-6). Considering the product's specific properties, made possible by the sophisticated manufacturing techniques adopted, it is not corrosive on yellow metals and is compliant with standards for the labelling and packaging of hazardous substances.

### 4. FIRST AID

If the product comes into contact with the eyes, rinse immediately with plenty water and seek medical advice. If the product comes into contact with the skin, rinse with plenty water. - Remove contaminated clothing - Wear protective clothing and suitable gloves - Protect eyes/face - If the product is swallowed or in the event of accident or sickness, seek medical help immediately and show the doctor this information sheet.

### 5. FIRE PREVENTION

In the event of fire, use: atomised water, foam.

### 6. ACCIDENTAL SPILLS

Wear protective gloves and clothing. Scoop up the powder with a brush and shovel or with a vacuum cleaner then rinse with plenty water. The solutions (where it is impossible to remove them directly) can be neutralised with alkalis.

### 7. HANDLING AND STORAGE

Avoid extended contact with the skin - Store in a cool, airy, dry place away from high oxidizing substances and strong bases.

### 8. PERSONAL PROTECTION CONTROL

Wear protective gloves, clothing and suitable glasses.

# SAFETY SHEET

## CALCINET

### 9. CHEMICAL AND PHYSICAL PROPERTIES

- Physical appearance/odour: white odourless crystalline powder
- Decomposition temperature: 205°C.
- Melting point: >100°C
- Hydrogen factor in a 1% H<sub>2</sub>O solution: pH 1.5
- Solubility in H<sub>2</sub>O: < 10%
- Specific weight at 20°C: 1250 g/l.

### 10. STABILITY AND REACTIVITY

When dry and in an unopened package, the product is stable within a wide temperature range (0 ÷ 100°C). It hydrolyses in the presence of water. Exothermal reactions may be provoked when mixed with strong bases.

### 11. TOXICOLOGICAL DATA

Acute oral toxicity of ingredients: LD<sub>50</sub> greater than 2000 mg/Kg (rat) therefore it can be considered **safe**. No mutagenic effects found in testing on Salmonella Typhimurium. GRAS status under F.D.A. (Fed.Reg. Vol. 44 (31) 1979).

### 12. ECOLOGICAL DATA

Avoid litter. Biodegradation of organic matter greater than 90%. Does not contain any chlorine, phosphates or nitroacetates.

### 13. DISPOSAL

This product represents special hazardous waste and must be disposed of in accordance with the Leg. Decree 5/2/97 No.22: (Ronchi Law)

- for powdered forms of the product, Code CER 060199 (acid waste not otherwise specified)
- for spent solutions after use, Code CER 110105 (acid pickling solutions)

### 14. TRANSPORT

Regulation A.D.R. Class 8 - order 16° c) No. 2967 **Not applicable** for internal packing of less than 1 Kg and packages of up to 12 Kg. For other package sizes, **not applicable** if less than 1000 Kg.

### 15. RELEVANT REGULATIONS

The product complies with the following provisions in force: Dir. 67/548/CEE (labelling of hazardous substances) – Reg. 648/2004 CEE (biodegradability of cleaners) - Regulation (EC) 1907/2006 (REACH)

### 16. OTHER/MISCELLANEOUS

Notwithstanding the information listed herein has been provided in good faith and to the best of our knowledge, no express explicit or implicit guarantee is provided for any incorrect or improper use of the product.

THIS DATA SHEET MAY ONLY BE PHOTOCOPIED IN ORDER TO INSTRUCT END USERS PROPERLY ON HOW TO USE THE PRODUCT.

**Customs code for exportation: PRODUCT 3824 90 45 T.D.C.**

**LAST UPDATED ON 01.09.2013**

# TECHNICAL DATA SHEET H.A.C.C.P. SPEC.

## CALCINET<sup>®</sup> CONCENTRATED POWDER DESCALER

PROFESSIONAL USE – COMMERCIAL USE

**CHARACTERISTICS:** descales and reconditions bar and home dishwashers, boilers, heat exchangers, copper pipes, irons etc. without corroding them. It eliminates every trace of limescale or magnesium that often provide a fertile basis for enzymes, bacteria and hazardous viruses.

**DIRECTIONS FOR USE:** CALCINET must be diluted in lukewarm water in a maximum concentration of 1000g in 10 litres of water (10% - anything above this will not dissolve). To descale dishwashers or bar glasswashers proceed as follows: switch off the machine, pull out the plug, run the wash water completely off, clean the filters with a jet of running water, check that the nozzles are not clogged and that the arms turn freely. At this point if you find traces of limescale or scale deposits, fill the machine again with clean water and use CALCINET instead of detergent in the aforementioned concentration and run one or more hot descaling washes. If you perform this operation frequently, the concentration used can be reduced to 300g in 10 litres of water. Once the solution has been run off, fill the machine with clean water, switch on the washing pump for a few seconds and then empty it again before replenishing the washing solution. We recommend that you begin with a higher concentration of detergent.

**FREQUENCY OF USE:** CALCINET should be used when limescale deposits become visible, although we advise you to take steps earlier to avoid irreparable damage to equipment and to make the most of the washing properties of the detergent. Note that an encrusted piece of equipment consumes more electricity, more detergent and entails deficient hygienic properties.

**SELF-MONITORING:** Check the final result visibly. Check for unusual odours. Check that limescale has disappeared. If necessary, repeat the operation.

**CRITICAL POINTS:** Check dish and glasswasher filters and nozzles, corners and difficult-to-reach places.

**SAFETY INFORMATION:** SEE THE SAFETY INFORMATION SHEET. Do not mix with alkaline products such as detergents and caustic degreasants. Wear protective clothing (glasses, gloves).

**PACK SIZES:**

1kg jar - 12 jar each case

