



SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

PULY MILK[®] Plus Liquid

CLEANER FOR AUTOMATIC CAPPUCCINO MAKERS AND MILK AND COFFEE RESIDUES

Composition submitted to the Ministry of Health – PROFESSIONAL USE

...more than just cleaning!

1. COMPANY AND PRODUCT IDENTIFICATION

- 1.1. Commercial name: **PULY MILK Plus Liquid**
- 1.2. Use: Cleaner for automatic cappuccino makers and milk and coffee residues
- 1.3. Supplier Manufacturer: ASACHIMICI – Via N.Sauro,26 – 26039 VESCOVATO (CR) ITALIA
Tel. +39 0372 830494 - Fax. +39 0372 830029
Marco Carubelli (info@asachimici.com)
- 1.4. Emergency call: Ospedale Niguarda poison center MI Tel. +39 0266101029

2. WARNINGS

Do not swallow - Keep out of the reach of children. The substances used are not dangerous in accordance with dir. 67/548/CEE regard the nature and quantity of employed substances. Since it is a liquid product with an alkaline reaction, if used improperly the product may cause irritation to the eyes and skin. If swallowed it may cause gastrointestinal problems.

3. INGREDIENTS

This product is a preparation in the meaning of Regulation (EC) 1907/2006 (REACH). Blend of sodium and potassium buffered low alkaline salts. All materials are in compliance with Food and Drug Administration CFR title 21 concerning substances in contact with food equipments. The formulation is registered, tested and certified by NSF International protocol P152.

4. FIRST AID

In the event of contact with the eyes, rinse immediately and thoroughly with running water and seek medical advice. In the event of contact with the skin, rinse thoroughly with running water. If some product is swallowed accidentally, do not provoke vomiting, get the patient to drink a lot of water in small doses and seek medical advice, showing him this sheet.

5. FIRE PREVENTION

The product is not to be considered inflammable.

6. ACCIDENTAL SPILLS

For small quantities, absorb with sawdust and dispose normally. For large quantities, contact your local Public Health Service.

7. HANDLING AND STORAGE

Avoid prolonged contact with the skin – Transfer with care and do not splash. Store in a cool, dry and ventilated place. If correctly stored, the product will remain active for long time.

8. PERSONAL PROTECTION CONTROL

Since it is a liquid alkaline product, if necessary use suitable gloves and protective glasses.

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9. CHEMICAL AND PHYSICAL PROPERTIES

- Form:	clear light blue liquid
- Evaporation temperature:	105°C.
- Boiling point:	110°C
- Hydrogen factor (1% solution in H ₂ O):	pH 10 ± 0.5
- Solubility in H ₂ O:	in all proportions
- Cloud point:	> 100°C
- Pour point:	< 0°C
- Specific weight at 20°C:	1300 g/l.

10. STABILITY AND REACTIVITY

The product is stable in a wide temperature range (10°C ÷ 100°C). If mixed with strong acids, it may produce an exothermic reaction.

11. TOXICITY DATA

Acute oral toxicity of the ingredients: LD₅₀ well over 2.000 mg/Kg, therefore **not considered toxic**.

12. ECOLOGICAL DATA

The compound is in accordance with the Reg. 648/2004 CE pertinent to biodegradability of cleaners. Do not scatter the product in the environment.

13. DISPOSAL

The product is not considered hazardous waste. Nevertheless, disposal shall comply with Leg. Decree No. 22, 5/2/97 as an alkaline detergent, special waste disposal class. IEC Code 200115.

14. TRANSPORT

Product and packaging comply with ADR standards, EC directive. During transport, packages shall be protected against rain, damp and sources of heat.

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/SUNDRY

The aforementioned data have been provided in good faith and to the best of our knowledge. However, no explicit or implicit guarantee is provided in the event of inadequate or improper use of the product.

AUTHORIZATION IS HEREBY GRANTED TO PHOTOCOPY THIS DOCUMENT FOR THE PURPOSE OF CORRECTLY INFORMING END USERS OF THE PRODUCT.

Customs item for export: **PRODUCT 34029090 T.D.C. (STANDARD CUSTOMS TABLE)**

LATEST UPDATE: 01/11/2009

TECHNICAL DATA SHEET H.A.C.C.P. SPECIF.

PULY MILK[®] Plus Liquid

CLEANER FOR AUTOMATIC CAPPUCCINO MAKERS AND MILK AND COFFEE RESIDUES

...more than just cleaning!

FEATURES: **PULY MILK Plus Liquid** is the result of constant product developments, specifically designed in our Special Applications Research Centre to service the automatic CAPPUCCINO MAKER every day and for removing milk and coffee residues from steam wand and milk-jugs. What's more, **PULY MILK Plus Liquid** provides "more than just cleanliness". It improves deodorizing and keeps the CAPPUCCINO MAKER running smoothly, removing any organic residues that may cause malfunctioning, or give rise to mould or bad smells (**Tested and Certified by N.S.F. International - Protocol P152 Health Effects and Corrosivity of Commercial Espresso Machine Chemical Cleaner**).

DIRECTIONS FOR USE: to clean the automatic cappuccino maker **DAILY:** a) dilute 25 ml of **PULY MILK Plus Liquid** in half litre of cold water; b) get the solution absorbed by means of the suction tube by repeatedly pressing the button indicated in the machine instructions; c) rinse by getting at least 2 litres of clean water sucked in. It is absolutely impossible to get the cappuccino maker to suck in hot water so only use cold water.

To clean the whole machine WEEKLY: prepare a solution of 25 ml of **PULY MILK Plus Liquid** for every half litre of very hot water, using plastic, stainless steel or glass (but not aluminium) containers; dismantle the cappuccino maker completely and leave the parts to soak for 2-3 hours (or overnight) and then rinse carefully once with clean water and repeat. The solution must be used to clean the steam wand, the milk-jug and all the tools dirty of milk and coffee residues.

FREQUENCY OF USE: **PULY MILK Plus Liquid** is generally used every 50/100 cups of foamed milk and whenever you need to restore the machine to efficient working order. We anyway advise preventive measures **at least once a day**, to prevent the heated milk from drying and forming a hard crust that is difficult to remove quickly.

SELF CHECK: Inspect the result. Check that it smells right. If necessary, repeat the washing operation.

CRITICAL POINTS: Check that the seals are whole, and if necessary replace with new spare parts. Check that the dripping pan drain is not clogged so that the **PULY MILK Plus Liquid** reaction foam can flow out freely.

DATA AND SAFETY: See the **SAFETY SHEET**. During washing, be careful of splashes of boiling water; use protective garments (gloves etc.).



PACKAGES:

Puly Milk Plus[®] Liquid 1 L bottle
automatic dispenser
12 bottle per case

Puly Milk Plus[®] Liquid 100 ml bottle
24 bottle per case