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SAFETY DATA SHEET

(as per reg. CE 648/2004 of 31/03/04)

PULY CAFF[®] NSF Powder and Tabs

SPECIAL CLEANER FOR COFFEE MACHINES AND CUPS

Composition submitted to the Ministry of Health and Environment – PROFESSIONAL USE

...more than just cleaning!

1. COMPANY AND PRODUCT IDENTIFICATION

- 1.1. Commercial name: **PULY CAFF NSF Powder - PULY CAFF NSF Tabs**
1.2. Use: coffee machines cleaner
1.3. Supplier Manufacturer: ASACHIMICI – Via N.Sauro,26 – 26039 VESCOVATO (CR) ITALIA
Tel. +39 0372 830494 - Fax. +39 0372 830029
1.4. Emergency call: Tel. +39 0372 830494

2. INGREDIENTS

All materials are in compliance with Food and Drug Administration CFR title 21. less than 5% oxygen based bleaching agents, anionic surfactants; 5-15% phosphonates, phosphate. The formulation is registered, tested and certified by NSF International.

3. WARNINGS

Do not swallow – Do not breath in the powder - Keep out of the reach of children - If used improperly the product may cause irritation to the eyes and skin.
Hazard symbols: **NONE**.

4. FIRST AID

If some product is swallowed accidentally, do not provoke vomiting and consult a doctor immediately. In the event of contact with the eyes, rinse thoroughly with running water.

5. FIRE PREVENTION

The product is not to be considered inflammable.

6. ACCIDENTAL SPILLS

Carefully pick up any spilled product and transfer to a new and dry package. Wash the affected area with water.

7. HANDLING AND STORAGE

No particular precautions are required during handling. Store under cover. Packages shall be kept well closed to prevent product from lumping or dissolving. During transport, packages shall also be protected against damp and heat.

8. PERSONAL PROTECTION CONTROL

Not envisaged for users. Anyway avoid prolonged contact with the skin.



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9. CHEMICAL AND PHYSICAL PROPERTIES

- Form: smooth granular powder or tabs
- Smell: none
- Gas release temperature: over 80°C.
- Explosion limits in the atmosphere: non-explosive.
- Melting point: 100°C in oven for 2 hrs in closed container.
- Hydrogen factor (1% solution in H₂O): pH 11 ± 0,5
- Solubility in H₂O: 10% at 100°C
- Specific weight: 900 g/l.

10. STABILITY AND REACTIVITY

The product may produce significant reactions, including the release of gas, if exposed to sources of heat or damp, or if placed in contact with reducing agents. It becomes effervescent during solubilization in water and, as it contains alkaline compounds, it reacts violently to strong acids.

11. TOXICITY DATA

Acute oral toxicity: LD₅₀ well over 2.000 mg/Kg as tested on rats, therefore **NOT considered toxic** for humans.

12. ECOLOGICAL DATA

On average, the anionic and non-ionic surface-active agents in the product are over 90% biodegradable.

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 200116.

14. TRANSPORT

Product not subject to 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: Law 136-26/04/83 – Ministerial Decree 46-28/01/92 – Ministerial Decree 211-04/11/96.

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.
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: 01/07/2005



TECHNICAL DATA SHEET / H.A.C.C.P. SPECIFICATIONS

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FEATURES: PULY CAFF NSF Powder and Tabs was the first cleaner specifically designed in our Special Applications Research Centre, to service the brewing unit (jet, filter, portafilter handle) and the washout valve of espresso coffee machines. It improve deodorizing and clean without increasing the extraction of toxic metals from common materials of fabrication in espresso machines when used and rinsed according to the manufacturer's instructions (**Tested and Certified by N.S.F. International - Protocol P152 Health Effects and Corrosivity of Commercial Espresso Machine Chemical Cleaner**). It is also unique for soaking cups, teapots, etc.: it cleans and eliminates all traces of coffee from crockery without affecting decorations in any way.

DIRECTIONS FOR USE: to clean the whole delivery filter, filter holder cup and washout valve unit: a) place a rubber plug in the filter holder cup outlet hole; b) use the normal coffee filter with micro-holes and add 1 spoonful (about 20g or 1-2 tabs) of PULY CAFF NSF; c) let in water and wait for at least 30-60 seconds and then drain off the water and rinse thoroughly until the water drained is clean. To clean the delivery filter and washout valve only: a) replace the filter with holes with the blind one provided; b) add 1 spoonful (about 20g or 1-2 tabs) of PULY CAFF NSF; c) let in water and wait for at least 30-60 seconds and then drain off the water and rinse thoroughly until the water drained is clean. To clean the filters, filter holder cup and crockery manually: prepare a solution of 2 spoonfuls (about 40g or 2-4 tabs) of PULY CAFF NSF for every litre of very hot potable water, using plastic, stainless steel or glass (but not aluminium) containers; leave the items to soak completely for 20-30 minutes (or overnight) and then rinse thoroughly in running water. PULY CAFF NSF is fully effective in eliminating coffee stains and traces of lipstick from the cups and grease from the handles, leaving them perfectly shiny and without any smell.

FREQUENCY OF USE: PULY CAFF NSF is generally used every 500 cups of coffee as far as unit maintenance is concerned and weekly to keep the crockery clean and bright. We anyway advise preventive measures to protect the equipment from irreversible damage and to get the most out of your blend of coffee. Remember that a dirty brewing unit does not get the best out of the blend and the coffee will be watery and have a characteristic burnt taste.

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

CRITICAL POINTS: Check that the filter and the seal with underpan filter are whole, and if necessary replace with new spare parts. Check that the dripping pan drain is not clogged so that the PULY CAFF NSF 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 Caff NSF Powder

32oz.-900g pot (flapper dose cap)	12 pots per case
20oz.-570g pot (flapper dose cap)	12 pots per case
13oz.-370g pot (flapper dose cap)	12 pots per case
20g 10 sachets in box	24 boxes per case

Puly Caff NSF Tabs

Ø16 mm. 2,5g - 60 tabs pot	24 pots per case
Ø10 mm. 1g - 100 tabs pot	24 pots per case