



# SAFETY INFORMATIONS DATA SHEET

According to Regulation (EC) No. 453/2010

## PULY CAFF® Plus Powder and Tabs

SPECIAL CLEANER FOR COFFEE MACHINES AND CUPS

- PROFESSIONAL USE -

*...more than just cleaning!*

### 1. COMPANY AND PRODUCT IDENTIFICATION

- 1.1. Commercial name: **PULY CAFF Plus Powder - PULY CAFF Plus Tabs**  
1.2. Use: Coffee Machines Cleaner  
1.3. Supplier: Jaguar Espresso Systems, Unit 12, Albury Close, Loverock Road, Reading RG30 1BD  
T: 0118 959 9204 F: 0118 950 9205 E: sales@jesuk.com  
1.4. Emergency call: 0118 950 9204 (Office Hours)

### 2. 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.  
The substances used are not dangerous in accordance with dir. 67/548/CEE regard the nature and quantity of employed substances.

### 3. INGREDIENTS

This product is a mixture in the meaning of regulation (EC) 1907/2006 (REACH).  
Buffering of low alkaline sodium 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

If some product is swallowed accidentally, do not provoke vomiting and seek medical advice immediately showing him this sheet. 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. If correctly stored, the product will remain active for long time.

### 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.
- pH (1% solution in H<sub>2</sub>O): 10 ± 0,5
- Solubility in H<sub>2</sub>O: 2% at 100°C
- Specific weight: 900 - 1.300 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 acid agents. It becomes effervescent during solubilization in water and, as it contains alkaline compounds, it reacts to strong acids.

## 11. TOXICITY DATA

Acute oral toxicity: LD<sub>50</sub> well over 2.000 mg/Kg as tested on rats, therefore **NOT considered toxic** for humans.

## 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 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: Dir. 67/548/CEE (labelling of hazardous substances) – Reg. 648/2004 CEE (biodegradability of cleaners) - Regulation (EC) 1907/2006 (REACH) – Regulation (EC) 453/2010

## 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: 01/12/2013

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

# PULY CAFF® Plus Powder and Tabs

SPECIAL CLEANER FOR COFFEE MACHINES AND CUPS

*...more than just cleaning!*

**FEATURES: PULY CAFF Plus Powder and Tabs** was the first cleaner specifically designed in our Special Applications Research Centre, to service the brewing unit (shower, filter, filter holder) and the back-flush 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, tea or milk from crockery without affecting decorations in any way.

### DIRECTIONS FOR USE

#### COMMERCIAL ESPRESSO COFFEE MACHINES GROUP HEAD BACK FLUSH CLEANING

1. Insert the blind filter in the portafilter and add 1 teaspoon (3-5 g) of PULYCAFF® Powder or 1-2 tablets of PULYCAFF® Tabs. Insert portafilter into the group head.
2. Start brew cycle for 10 seconds and stop for 10 seconds. Repeat this operation for 5 times.
3. Remove portafilter from group head. start brew cycle and rinse portafilter with the boiling water from group head. Stop cycle.
4. Insert portafilter into group head and repeat step 2. without PULYCAFF® Powder to rinse.
5. Make and discard an espresso.

**SOAK CLEANING:** soak filters and portafilters for 15 minutes in 3 teaspoons (10 g) of PULYCAFF® Powder or 3-5 tablets of PULYCAFF® Tabs per 1L (~32oz.) of hot water. Rinse all parts with potable water.

**COFFEE BREWERS CLEANING:** empty all coffee from equipment. Insert 1 teaspoon (3-5 g) of PULYCAFF® Powder or 1-2 tablets of PULYCAFF® Tabs per 2L (~64oz.) of brewer capacity into the brew basket. Run the brew cycle into the vessel. Hold 30 minutes and rinse all parts with potable water.

**FREQUENCY OF USE: PULY CAFF Plus** 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 Plus** 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 Plus 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 Plus Tabs

|                             |                  |
|-----------------------------|------------------|
| Ø20 mm. 4,0g - 120 tabs pot | 12 pots per case |
| Ø16 mm. 2,5g - 60 tabs pot  | 24 pots per case |
| Ø10 mm. 1,0g - 100 tabs pot | 24 pots per case |
| Ø10 mm. 0,5g - 200 tabs pot | 24 pots per case |