



SAFETY DATA SHEET

(according to EC Regulation 1907/2006)

PULY DESCALER Espresso[®]

SPECIFIC DESCALER FOR COFFEE MACHINES AND ELECTRIC KETTLES

Print Date: 02/11/2013

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Version: 1.0.2

Previous version 1.0.1

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

- 1.1. Trade name: **PULY DESCALER Espresso**
- 1.2. Use: Descaler for electric coffee machines and kettles
- 1.3. Supplier/Manufacturer: Jaguar Espresso Systems, Unit 12, Albury Close, Loverock Road, Reading, RG30 1BD
- 1.4. Emergency call: Jaguar Espresso Systems, 0118 959 9205

2. HAZARDS IDENTIFICATION

This product is not considered dangerous. Keep out of the reach of children - Avoid contact with eyes / skin.

3. COMPOSITION / INFORMATION ON THE INGREDIENTS

This product is a mixture of substances. Substances classified as dangerous are listed below together with their concentration range (Range set by RECOMMENDATION EEC 89/542), with their symbols/hazard signals and assigned R phrases.

HAZARDOUS SUBSTANCES INCLUDED AND THEIR CLASSIFICATION:

-Components between 15% and 30%

< 20% SULFAMIC ACID (CAS 5329-14-6) **Xi IRRITANT R36/38 – R52/53**

Acute oral toxicity in rats 1600 mg/Kg

4. FIRST AID MEASURES

In case of contact with the eyes wash immediately with plenty of water. If symptom persists, consult a physician. - In case of contact with the skin wash with plenty of water. - In case of ingestion, accident or unease, seek medical advice immediately and show them this data sheet.

5. FIRE MEASURES

In case of fire, use water spray, foam. During fire-fighting operations use breathing apparatus.

6. ACCIDENTAL RELEASE

Wear gloves and protective clothing. Pick up with inert absorbent material or by suction, then rinse with plenty of water. The solutions can be neutralized with alkalis.

7. HANDLING AND STORAGE

Avoid prolonged contact with skin - If necessary, use suitable gloves - Wear eye / skin protections - Store in a cool, ventilated, dry place, away from strong oxidizers and strong bases.

8. EXPOSURE CONTROLS / PERSONAL

The product is not classified as dangerous; however, use eye / skin protections when handling.



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9. CHEMICAL AND PHYSICAL PROPERTIES

- Physical nature / odor: colorless / odorless liquid
- Decomposition temperature: 110°C.
- Melting point: NC
- Hydrogen factor of 2% solution in H₂O: pH 2.3 ± 0.5
- Solubility in H₂O: in any proportion
- Specific gravity at 20°C: 1100 g/l.

10. STABILITY AND REACTIVITY

The dry product in unopened package is stable in a wide temperature range (+5°C ÷ +40°C). When mixed with strong bases it can produce exothermic reaction. When mixed with carbonates it develops CO₂.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity of the ingredients: LD50 greater than 10,000 mg/kg (rat). Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. No mutagenic in tests when tested on Salmonella Typhimurium.

GRAS status under F.D.A. (Fed. Regs. Vol. 44 (31) 1979).

12. ECOLOGICAL INFORMATION

Avoid release to the environment. Contains no phosphates. Contains no substances that feed the aquatic flora.

13. DISPOSAL CONSIDERATIONS

Recover if possible. Send to authorized disposal plants. Operate according to local and national regulations.

14. TRANSPORT INFORMATION

The rules governing the transport of dangerous goods (A.D.R.) do not apply.

15. REGULATORY INFORMATION

Manufactured in compliance with current regulations relating to the labeling and packaging of dangerous substances: Directive 67/548/EEC and subsequent amendments, Regulation EC 1907/2006.

16. OTHER/MISCELLANEOUS

The information herein is given in good faith and to the best of our knowledge; however, no explicit and implicit guarantee is provided for inadequate or improper use of the product.

IT MAY BE REPRODUCED IN PHOTOCOPY FOR THE SOLE PURPOSE OF PROPERLY INFORMING END USERS OF THE PRODUCT.

Heading for export: **PRODUCT 3824 90 45 T.D.C.**



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

PULY DESCALER Espresso[®]

SPECIFIC DESCALER FOR COFFEE MACHINES AND ELECTRIC KETTLES

FEATURES: **PULY DESCALER Espresso** for coffee machines and electric kettles of all brands, stems from our proven experience as market leaders in the field of special cleaners and descalers for espresso machines. It is a specific product for the safe disposal of calcium and magnesium limestone in boilers, piping, and brewers. The periodic use maintains constant optimum conditions for making good coffee. It does not affect rubber seals, it leaves no traces or odors, and it is inhibited against corrosion. Compatible with stainless steel, rubber of the NBR / EPDM / SILICONE type, lead-free brass (testing required) and all types of plastic polymer. Not compatible with accessories and acid-sensitive surfaces such as silver, marble, wood, enamel, and aluminum heat exchangers. One bottle of **PULY DESCALER Espresso** single-dose 125ml / 4.22fl.oz. melts about 10 grams of limestone. It also works in cold water.

PROCEDURE FOR USE:

Descaling of Espresso Machines, Bean To Cup Coffee Filter: pour the contents of one bottle of 125ml single-dose **PULY DESCALER Espresso** into the water tank and add 400ml of clean water. If present, remove the filter holder and operate the pump at 30-second intervals until all of the solution is exhausted. Rinse the tank and refill with 3 liters of clean water and operate the pump at 30 seconds intervals until exhausted.

Descaling of electric kettles, jugs, teapots or dairy: pour the contents of one bottle of 125ml single-dose **PULY DESCALER Espresso** into the kettle and add 400ml of clean water. Wait 15 minutes then rinse with clean water.

FREQUENCY OF USE: **PULY DESCALER Espresso** can be used whenever it is necessary to restore the proper delivery of hot water. We recommend descaling once per month or every 120 coffee/tea cups. **WARNING:** act preventively and perform the descaling before the machine gets blocked permanently. Any attempt to restore a locked machine may not work.

SELF-CHECK: Visually check the result. Make sure the water gets out of the spout or nozzle nicely and not in violent splashes. If necessary, repeat the descaling operation.

CRITICAL POINTS: Check the nozzle and water/steam spout.

INFORMATION AND SECURITY: The compound is not dangerous; however, when using please avoid hot water splashes and protect the eyes/skin. In case of contact with the eyes wash immediately with plenty of water. If symptom persists, consult a physician. - In case of contact with the skin wash with plenty of water. - In case of ingestion, accident or unease, seek medical advice immediately and show them this data sheet. Contains: 15% SULFAMIC ACID (CAS 5329-14-6) Xi IRRITANT R36/38 – R52/53.

SIZE:

- **PULY DESCALER Espresso** 125ml bottle
- **PULY DESCALER Espresso** 10 Kg. canister

Jaguar Espresso Systems, Unit 12, Albury Close,
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