

## SAFETY DATA SHEET

# PULYGRIND® Crystals

COFFEE GRINDER CLEANER ALSO FOR SUPERAUTOMATIC COFFEE MACHINE WITH BUILT IN GRINDER

25/09/2020 update 06

### 1. COMPANY AND PRODUCT IDENTIFICATION

- 1.1. Commercial name: **PULYGRIND Crystals**  
 1.2. Use: **GRINDER CLEANER**  
 1.3. Supplier Manufacturer: ASACHIMICI – Via N.Sauro, 24 – 26039 VESCOVATO (CR) ITALIA  
 Tel. +39 0372 830494 - Fax. +39 0372 830029 Marco Carubelli (info@asachimici.com)  
 1.4. Emergency call: Tel. +39 0372 830494

2. **WARNINGS** Dangerous substances: **None**. The complete compatibility with products destined to human feeding, warranties absolutely innocuously of the product, therefore can be commercialized without any hazardous sign.

3. **COMPOSITION/INFORMATION ON INGREDIENTS** The mixture contains substances derived from a synthesis of and/or vegetable process, OGM free, without BSE/TSE risks. The particular substances employed are conform to Food and Drug Administration CFR title 21, suitable for professional detergents in contact with food production appliances.

#### MIXTURE

Description
The product does not contain hazardous substances: >80% starch <20% water

Mixture composition and concentration patented. Intellectual property of Asachimici.

4. **FIRST AID** If some product is swallowed accidentally it is not dangerous. In the event of contact with the eyes, rinse thoroughly with running water or if necessary, consulting a doctor.

5. **FIRE PREVENTION** The product is not to be considered inflammable; if necessary, use a gas extinguisher (CO2).

6. **ACCIDENTAL SPILLS** Carefully pick up any spilled product and throw away as urban solid waste. For bigger quantities see paragraph 13 of this sheet.

7. **HANDLING AND STORAGE** No particular precautions are required during handling. Store under cover. Packages shall be kept well closed. During transport, packages shall be protected against damp and heat. If correctly preserved it shall stay fresh for long time.

8. **PERSONAL PROTECTION CONTROL** Not envisaged for users.

### 9. CHEMICAL AND PHYSICAL PROPERTIES

- Form: crystals/ tabs
- Smell: none
- Gas release temperature: over 100°C
- Allergenic: none
- Gluten: none
- Melting point: 100°C in oven for 2 hrs in closed container.
- Hydrogen factor (1% solution in H<sub>2</sub>O): N.A.
- Solubility in H<sub>2</sub>O: N.A.
- Specific weight: 900 g/l.

10. **STABILITY AND REACTIVITY** If inflamed can develops CO.

11. **TOXICITY DATA** The product does not present particular risks for human health.

12. **ECOLOGICAL DATA** Organic substance with a faster 100% biodegradability.

13. **DISPOSAL** The product is not considered hazardous waste. For small quantities put together with urban solid waste – For bigger quantities send to an authorized incinerator showing this sheet.

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 REGULATION** The product complies with provisions in force - 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 COPY THIS DOCUMENT FOR THE PURPOSE OF CORRECTLY INFORMING END USERS OF THE PRODUCT.  
 Customs item for export: **PRODUCT 1102.9090 T.D.C. (STANDARD CUSTOMS TABLE)**

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

# PULY Grind® Crystals

COFFEE GRINDER CLEANER ALSO FOR SUPERAUTOMATIC COFFEE MACHINE WITH BUILT IN GRINDER

*...more than just cleaning!*

**OUR PHILOSOPHY** PULY Grind Crystals from 2002 is the first cleaner in the world specifically created by our Special Applications Research Centre for the maintenance of the coffee grinders also incorporated in Superautomatic coffee machines. The active ingredients of PULY GRIND Crystals are made by particularly calibrated **VEGETABLE - RENEWABLE** particles, free of useless and nuisance dust, with features similar to food, even, if it is not destined to human consumption. Super concentrated, 100 % Crystals, gluten removed and without allergenic substances. Regenerates the blades/burrs without dissemble. **Does NOT need to change the grinder setting**, (Innovated patented technology). Leaves the grinder free of any aromatic substances: chocolate coffee or vanilla; aroma and/or species; non decaffeinated coffee; substances containing gluten; sugar and/or listed allergenic substances, etc.

**Properties:** it improves the coffee cream, exalts the aroma and a 100% clean coffee taste.

**DIRECTIONS FOR USE. Superautomatic coffee machines with grinder doser included.** Empty the recipient of the coffee beans. Pour one dose of **PULY Grind Crystals** in the recipient. Again, fill up the coffee bean recipient and operate as to preparing a cup of coffee. At last discharge the first two grindings or the first two espresso. Any dust developed during this operation or some product residues, are not dangerous for the operator and do not alter the quality of the grinding.

**Coffee grinder cleaning:** 1) Empty the hopper container from coffee beans; Empty also the coffee grinded from the dispenser; 2) insert 1 dose of PULYGRIND Crystals on the burrs (2 for shop grinders); 3) Fill up again the upper container with coffee beans; 4) Turn on the engine and grind 1 dose of coffee ; 5) Discharge the first 2 grindings or the first 2 coffees.

**FREQUENCY OF USE.** Puly Grind Crystals is generally used at the end of the day for the maintenance of the burrs. We advise preventive measures to protect the grinder from oil deposits and dirty grinded substances and to get the best of the aroma of coffee without having a bitter taste.

**SELF CHECK.** Inspect the grinding result, must be evenly (no fine dust crushed) and eventually change the burrs. Verify the lack of unusual odours. If necessary, repeat the cleaning operation.

**CRITICAL POINTS.** Check that the recipient of the coffee beans and the doser are clean. If necessary, remove all oil residues from the recipient using a PULYCAFF NSF Powder solution dissolved in water 1%.

**INFORMATION AND SAFETY.** Do not introduce brushes, harmful parts or fingers in the burrs when the machine is operating. Self-life: 5 years from date print on the sachet.



**PACKAGES:**  
 - box of 10 sachets  
 24 boxes each case