

# BZ-02

## Espresso Machine Descaler

### SAFETY DATA SHEET

#### 1. IDENTIFICATION

**Product Name:** BZ-02  
**Product type:** Espresso Machine Descaler  
**Distributor:** C.razy Trading FZE  
**P. O. Box:** 39377, RAK, UAE  
**Contact Number:** +97172046445  
**email:** info@crazy-trading.com  
**Website:** www.crazy-trading.com

#### 2. COMPOSITION

**Ortho Phosphoric Acid**  
**CAS:** 7664-38-2  
**Content:** 25-35%  
**Health Class:** R34  
**Hazard** C

**Alkyl Polyethoxy Polypropoxy Benzene Ether**  
**CAS:** 37281-47-3  
**Content:** 5-10%  
**Health Class:** R41  
**Hazard** Xi

#### 3. HAZARDS IDENTIFICATION

**GHS Classification:**  
 Causes severe skin burns  
 Causes serious eye damage

**GHS Pictogram:**



**Hazard Statements :**  
 Causes severe skin burns  
 Causes serious eye damage

#### 4. FIRST AID MEASURES

**In case of eye contact:**  
 Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**In case of skin contact:**  
 Wash off immediately with plenty of water for at least 15 minutes. No known significant effects or critical hazards.

**If swallowed:**  
 Rinse mouth with water. Do not induce vomiting.

**If inhaled:**  
 Remove to fresh air. No known significant effects or critical hazards.

**Protection of first-aiders:**  
 If potential for exposure exists refer to Section 8 for specific personal protective equipment (PPE).

**Notes to physician: Treat symptomatically.**

**Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.**

#### 5. FIRE FIGHTING MEASURES

**Suitable extinguishing media:**  
 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media:**  
 None known.

**Specific hazards during fire fighting:**  
 Not flammable or combustible.

**Hazardous combustion products:**  
 Decomposition products may include the following materials: Carbon oxides

**Special protective equipment for fire-fighters:**  
 Wear Self-contained respiratory and personal protective equipment.

**Specific extinguishing methods:**  
 Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**  
 Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions:**  
 Do not allow contact with soil, surface or ground water.

**Methods and materials for containment and cleaning up:**  
 Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
 For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 7. HANDLING AND STORAGE

**Advice on safe handling:**  
 Do not ingest. Do not get in eyes, on skin, or on clothing. Do not breathe dust/ fume/ gas/ mist/ vapors/ spray. Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

**Conditions for safe storage:**  
 Do not store near acids. Keep out of reach of children. Store containers upright, tightly sealed in original label.

**Storage temperature:**  
 20 °C to 50 °C

#### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Engineering measures:**  
 Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

**Personal protective equipment**  
**Eye protection:**  
 Wear eye protection and/or face protection.

**Hand protection:**  
 Protective chemical gloves is needed under normal use conditions.

**Skin protection:**  
 Protective clothing is needed under normal use conditions.

**Respiratory protection:**  
 Protective equipment is needed under normal use conditions. Usually a breathing mask.

#### 9. PHYSICAL & CHEMICAL PROPERTIES

**Appearance:** Liquid  
**Color:** No color  
**Odor:** Characteristic  
**pH:** 1.0-2.0  
**Melting Point:** Undetermined  
**Boiling Point:** 100°C  
**Flash Point:** Not Applicable  
**Self-igniting:** Not Applicable  
**Danger of Exploding:** No Explosive Hazard  
**Solubility:** Completely Water Soluble

#### 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions.  
**Conditions to avoid:** None known.

#### 11. TOXICOLOGICAL INFORMATION

**Experience with human exposure:**  
**Eye contact:** Highly irritating to the eyes.  
**Skin contact:** Causes severe burns with prolonged exposure.  
**Ingestion:** No known significant effects or critical hazards.  
**Inhalation:** No known significant effects or critical hazards.  
**Acute toxicity:** No known significant effects or critical hazards..

#### 12. ECOLOGICAL INFORMATION

Surfactants used in the formulation are biodegradable. The product should not cause adverse effects on the environment. None reported.

#### 13. DISPOSAL CONSIDERATIONS

Dispose off in accordance with local authorities regulations. Rinse out empty containers before disposing by land-fill or incineration.

#### 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### 15. REGULATORY INFORMATION

**Product classified as corrosive**  
**Hazard symbol:** Flammable  
**Risk Phrases:**  
 R20 - Harmful by inhalation  
 R34 - Causes burns  
 R36 - Irritating to eyes.  
 R41 - May cause sensitization by inhalation

**Health Class Phrases:**  
 H302 - Harmful if swallowed  
 H314 - Causes severe skin burns and eye damage  
 H318 - Causes serious eye damage