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FOR CHEMICAL EMERGENCY

Involving Shipping and Handling Spills, Leak, Fire, Exposure or Accident

Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

Section 1 - Product Identification

Product Name: ESP® Espresso Machine Cleaner, all sizes

Product ID: 4200X

Section 2 - Composition/Information on Ingredients**CHEMICAL NAME**

Monosodium Phosphate Anhydrous

CAS REG. #

7558-80-7

Sodium Carbonate Anhydrous

497-19-8

*Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percentage of composition are proprietary to National Chemicals, Inc.***Section 3 - Hazards Identification****EMERGENCY OVERVIEW:** White, odorless, granular solid. Product is non-combustible. Reacts with acid to release carbon dioxide gas and heat. Irritating to the eyes and continuous contact may irritate the skin. Not expected to be toxic to the environment, nor to aquatic organisms.**EYES:** Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.**SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.**INGESTION:** Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.**INHALATION:** Remove to fresh air. If breathing difficulty or discomfort occurs and persists, obtain medical attention.**NOTES TO MEDICAL DOCTOR:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.**Section 4 - First Aid Measures****EYE CONTACT:** Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.**SKIN CONTACT:** Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.**INHALATION:** Immediate first aid is not likely to be required. However, if symptoms occur, remove to fresh air.**INGESTION:** Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.**Section 5 - Fire Fighting Measures****EXTINGUISHING MEDIA:** Water, water fog, carbon dioxide (CO₂), dry chemical**FIRE/EXPLOSION HAZARDS:** not applicable**HAZARDOUS COMBUSTION PRODUCTS:** Fumes of sodium oxide.**Section 6 - Accidental Release Measures****CONTAINMENT:** Prevent large quantities of this product from contacting vegetation or waterways; large spills could kill vegetation and fish.**CLEAN UP:** This product, if spilled, can be recovered and re-used if contamination does not present a problem. Vacuum or sweep up the material. If the spilled product is unusable due to contamination, consult state or federal environmental agencies for acceptable disposal procedures and locations.**NOTIFICATION REQUIREMENTS:** Federal regulations do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.**Section 7 - Handling and Storage****HANDLING:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep material out of lakes, streams, ponds and sewer drains.**STORAGE:** Store in cool, dry area, away from acids.**Section 8 - Exposure Controls and Personal Protection****RESPIRATORY PROTECTION:** Avoid breathing dust.**EYE PROTECTION:** Use good industrial practice to avoid eye contact.**HAND/SKIN PROTECTION:** Wash hands and contaminated skin thoroughly after handling.

Section 9 - Physical and Chemical Properties

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| APPEARANCE: | White granules or powder | ODOR: | odorless |
| FLASH POINT: | Not flammable | WATER SOLUBILITY: | soluble |
| BOILING POINT: | Not available | FREEZING POINT: | 851° C (1564° F) |
| VAPOR PRESSURE: | Not available | VAPOR DENSITY: | Not available |

Section 10 - Stability and Reactivity

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| STABILITY: | Stable at normal temperatures and pressure. |
| CONDITIONS TO AVOID: | Contact with acids except under controlled conditions. |
| MATERIALS TO AVOID: | Aluminum powder, acids, fluorine, molten lithium |
| HAZARDOUS DECOMPOSITION: | Heated to decomposition, it emits fumes of sodium oxide. |

Section 11 - Toxicological Information

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| ACUTE EFFECTS FROM OVEREXPOSURE: | May cause severe irritation of the eyes, including corneal opacities. Dusts and mists may be irritating to the skin, mucous membranes and upper respiratory tract. No significant acute toxicological effects expected. |
| CARCINOGENICITY: | NTP: not listed IARC: not listed OSHA: not listed other: (ACGIH) not listed |

Section 12 - Ecological Information

No definitive algal toxicity or biodegradation data is available.

Section 13 - Disposal Considerations

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dry material may be landfilled or recycled in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

Section 14 - Transport Information

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| US DOT: | Not regulated |
| IMDG/UN: | Not regulated |
| ICAO/IATA: | Not regulated |
| RID/ADR: | Not regulated |
| Canadian TDG: | Not regulated |

Section 15 - Regulations

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| WHMIS CLASSIFICATION: | Not Controlled |
| SARA HAZARD NOTIFICATION | |
| HAZARD CATEGORIES UNDER TITLE III RULES (40 CFR 370): | Immediate (Acute) Health Hazard |
| SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: | Not Applicable |
| SECTION 313 TOXIC CHEMICAL(S): | Not Applicable |
| CERCLA REPORTABLE QUANTITY: | Not Applicable |

Section 16 - Other Information

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| SUPERCEDES DATE: | January 1, 2005 |
| NFPA: | Health 1 Fire 0 Reactivity 0 |
| HMIS: | Health 1 Fire 0 Reactivity 0 |

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.