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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: PLC® Beverage System Cleaner Powder, all sizes

Product ID: 3202X

Section 2 - Composition/Information on Ingredients

Chemical Name (Common Name)	CAS No.
Sodium Carbonate	497-19-8
Silicic Acid	6834-92-0
Sodium Sesquicarbonate	533-96-0
Sodium Hydroxide	1310-73-2

Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percent of composition are proprietary to National Chemicals, Inc.

Section 3 - Hazards Identification

EMERGENCY OVERVIEW: Irritating to the eyes and continuous contact may irritate the skin. Product is non-combustible. Reacts with acids to release carbon dioxide gas and heat.

POTENTIAL HEALTH EFFECTS: Direct contact with the product causes irritation of the eyes and continuous contact may cause skin irritation (red, dry, cracked skin). Excessive levels of airborne dust may irritate the mucous membranes and upper respiratory tract.

Section 4 - First Aid Measures

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 5 - Fire Fighting Measures

FIREFIGHTING INSTRUCTIONS: Product does not support combustion.

HAZARDOUS COMBUSTION PRODUCTS: Fumes of sodium oxide.

Section 6 - Accidental Release Measures

CLEAN UP: This product, if spilled, can be recovered and reused if contamination does not present a problem. Vacuum or sweep up the material. Avoid creating dust. If the spilled product is unusable due to contamination, consult state or federal environmental agencies for acceptable disposal procedures and locations. Dispose of properly.

Section 7 - Handling and Storage

STORAGE: Avoid contact with skin and eyes. Avoid contact with moisture. Keep container closed when not in use. Store in cool, dry place, away from acids. Do not expose to heat or direct sunlight.

Section 8 - Exposure Controls and Personal Protection

EYE/FACE PROTECTION: Safety glasses with side shields are recommended.

SKIN PROTECTION: If skin is irritated; recommend rubber/plastic gloves.

RESPIRATORY PROTECTION: Avoid breathing dust.

HYGIENIC PRACTICES: Wash hands with soap and water after handling product.

Section 9 - Physical and Chemical Properties

APPEARANCE: White, free flowing powder

ODOR: Odorless

BOILING POINT: not applicable

SOLUBILITY IN WATER: complete

EVAPORATION RATE: not applicable

SPECIFIC GRAVITY: not determined

FLASH POINT: Non-combustible

PERCENT VOLATILE: not applicable

Section 10 - Stability and Reactivity

STABILITY: Stable under normal conditions of handling.

INCOMPATIBLE MATERIALS: Acids, soft metals (aluminum, zinc).

POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Do not mix with anything but water. HYGROSCOPIC.

Section 11 - Toxicological Information

EYE EFFECTS: Irritant

SKIN EFFECTS: Non-irritating to intact skin. Minor irritation may occur on abraded skin.

DERMAL LD50: No data available for the product.

ORAL LD50: Harmful if swallowed.

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

Section 12 - Ecological Information

ENVIRONMENTAL DATA: not determined

ECOTOXICOLOGICAL INFORMATION: not determined

Section 13 - Disposal Considerations

WASTE DISPOSAL: Thoroughly rinse empty container and dispose of in an approved disposal facility in accordance with all federal, state and local regulations.

Section 14 - Transport Information

PRODUCT LABEL: not regulated

D.O.T SHIPPING NAME: not regulated

D.O.T HAZARD CLASS: not regulated

Section 15 - Regulations

DOT HAZARD CLASSIFICATION: not regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): not listed

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION AND LIABILITY ACT): not listed

TSCA (TOXIC SUBSTANCE CONTROL ACT): listed

Section 16 - Other Information

HMIS: Health 2 Flammability 0 Physical Hazard 0 Personal Protection (PPE) B (Safety glasses and gloves)

SUPERCEDES DATE: January 1, 2005

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.