

MATERIAL SAFETY DATA SHEET**Uni-Kem Chemicals, Inc.**802 William Leigh Dr.
Tullytown, PA 19007
Phone 215-269-1800N.A.=Not Applicable
Not Est.=Not Established

Prepared by: Regulatory Affairs Department

Date: 03/03/2003

SECTION 1 - GENERAL PRODUCT DATA**Product Name:** Jardian Chlorinated Detergent**Product Code:** JARCON**HMIS Legend:** 4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant**HMIS Hazard Code:** Health:2 Flammability:0 Reactivity:1**Chemical Family:** Fomulated Powder Detergent**D.O.T. Shipping Name:** Corrosive Solid, NOS, Contains Sodium Hydroxide, 8, UN 1824, PGI1 **Hazard Class:** 8**CHEM-TEL, INC.****24 Hour Emergency Contact 1-800-255-3924****Chemical Strength:** Caustic Alkaline Material**Formula:** Proprietary**SECTION 2 - HAZARDOUS INGREDIENTS**

| CHEMICAL NAME | CAS NO. | OSHA PEL | ACGIH | TLV | % |
|------------------------|----------|----------|---------|-----|-----|
| Sodium Hydroxide | 131073-2 | 2 MG/M3 | 2 MG/M3 | | <30 |
| Tircloisocyanuric Acid | 87-90-1 | | | | <2 |
| NJTSR#39210900-5092P | | | | | <2 |
| NJTSR#39210900-5089P | | | | | <20 |

Unidentified ingredients are not considered hazardous under the Federal Hazard Communications Standard (29 CFR 1910. 1200)

SECTION 3 - PHYSICAL DATA**Boiling Point (°F):****Vapor Pressure (mm Hg):** = N/a**Appearance:** Granular**Specific Gravity:****Percent Volatile By Volume:** N/A**Evaporation Rate:** = N/A**Odor:** Characteristic **pH:****SECTION 4 - FIRE AND EXPLOSION DATA****Flash Point (F):** N/A**Flammable Limits:** N/A**Unusual Fire & Explosion Hazards:** Use NIOSH certified gas mask with canister for Chlorine. If possible, remove material to open air and flood with water.**Special Fire Fighting Procedures:** Not considered flammable. Protect from irritating mists and corrosive solutions with pressure demand, self-contained respirator and protective clothing.**SECTION 5 - HEALTH HAZARD DATA****Route(s) of Entry:** Inhalation: No Skin: Yes Ingestion: Yes **Threshold Limit Value:** N/A**Effects of Overexposure:** Mists & vapors are irritating to the eyes & skin and exposure can cause severe burns.**Emergency & First Aid Procedures:****Inhalation:** If inhaled, immediately move person to fresh air and get immediate medical attention.**For Skin:** Wash with cool running water for 15 minutes. Seek medical attention if irritation develops. Remove contaminated clothing.**For Eyes:** Rinse with cool running water for 15 minutes. Get immediate medical attention.**If Ingested:** If swallowed, give several cups of water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.**Carcinogen:** Not considered carcinogenic by OSHA, NTP, or IARC**SECTION 6 - REACTIVITY DATA****Stability:** Stable**Conditions to Avoid:** Extreme heat. Keep out of sunlight.**Incompatibility:** Strong oxidizing agents. Acids, aluminum and other soft metals**Hazardous Decomposition Products:** Chlorine gas & related toxic gases**Hazardous Polymerization:** Will not occur**SECTION 7 - SPILL OR LEAK PROCEDURES****Steps to be taken if material is released or spilled:**

See Section 8 for Protective Equipment. Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Spills may be slippery.

Waste disposal method: Dispose of in accordance with all applicable federal, state and local regulations. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.**SECTION 8 - PROTECTIVE EQUIPMENT****Respiratory Protection:** Particle removing face piece**Ventilation:** Adequate general ventilation**Protective Gloves:** Rubber or latex gloves**Eye Protection:** Safety glasses with side shields or goggles**Other Protective Equipment:** Use rubber boots & apron as required.

Eye bath & safety shower.

SECTION 9 - SPECIAL PRECAUTIONS**Precautions to be taken in handling and storage:**

Store at room temperature. Keep from freezing. Keep container closed when not in use. Use with adequate ventilation. Avoid contact with eyes.

Other Precautions: Do not take internally. Avoid contamination of food. For industrial use only. Keep out of reach of children. Do not mix with anything but water. Avoid strong oxidizing agents, acids, aluminum and other soft metals.**SECTION 313 SUPPLIER NOTIFICATION**

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

This information must be included in all MSDS's that are copied and distributed for this material.

NOTICE

The information contained in this MSDS was obtained from current and reliable sources, however the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy, including the implied warranties of merchantability or fitness for a particular use or method of

application. Since the conditions of handling, storage and disposal of this product are beyond the control of this company, it is not responsible for loss, injury and expense arising out of the products improper use.