

**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: 03/17/2003

**SECTION 1 - GENERAL PRODUCT DATA****Product Name:** CHLORISAN 28**Product Code:** CHLOR4**HMIS Legend:** 4-Extreme 3-High 2-Moderate 1-Slight 0-Insignificant**HMIS Hazard Code:** Health:0 Flammability:0 Reactivity:0**Chemical Family:** Dry Chlorine Bleach**D.O.T. Shipping Name:** Corrosive Solid, NOS, 8, UN 1759,PGII**CHEM-TEL, INC.****24 Hour Emergency Contact 1-800-255-3924****Chemical Strength:** Alkaline Material-Non Caustic**Formula:** Proprietary**Hazard Class:** 8**SECTION 2 - HAZARDOUS INGREDIENTS**

| CHEMICAL NAME        | CAS NO. | OSHA PEL | ACGIH | TLV | %   |
|----------------------|---------|----------|-------|-----|-----|
| NJTSR#39210900-5109P |         |          |       |     | >70 |

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):** = NA**Appearance:** NA**Specific Gravity:****Percent Volatile By Volume:** NA**Evaporation Rate:** = NA**Odor:** Chlorine**pH:****SECTION 4 - FIRE AND EXPLOSION DATA****Flash Point (F):** N/A**Flammable Limits:** N/A**Unusual Fire & Explosion Hazards:** Not considered combustible**Special Fire Fighting Procedures:** This product is not normally considered combustible and will not burn or sustain combustion. Use NIOSH approved mask with cannister for chlorine**SECTION 5 - HEALTH HAZARD DATA****Route(s) of Entry:** Inhalation: YES Skin: YES Ingestion: YES**Threshold Limit Value:** N/A**Effects of Overexposure:** Respiratory irritant. Breathing of mists and contact with skin or eyes can cause severe irritation. Avoid direct contact.S**Emergency & First Aid Procedures:****For Skin:** Rinse excess from skin and dry. Seek medical attention if irritation develops.**For Eyes:** Rinse with cool running water for 15 minutes. Seek medical attention if irritation develops.**If Ingested:** If swallowed, give several cups of water to dilute. Do not induce vomiting. Seek 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:** Unstable**Conditions to Avoid:** Heat & Light**Incompatibility:** Acids, Heavy Metal Contaminants, Reducing Agents**Hazardous Decomposition Products:** Chlorine Gas Acids And Salts**Hazardous Polymerization:** NA**SECTION 7 - SPILL OR LEAK PROCEDURES****Steps to be taken if material is released or spilled:**

Spills may be slippery. Stop flow of product. Collect large spills for proper disposal. Wash spill area with plenty of water.

**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 - SUGGESTED PROTECTIVE EQUIPMENT****Respiratory Protection:** Particle Removing Respirator**Ventilation:** Adequate general ventilation**Protective Gloves:** Rubber or Neoprene gloves**Eye Protection:** Chemical Goggles/Face Shield**Other Protective Equipment:** Eye Bath & Safety Shower. Use rubber boots and/or apron as required**SECTION 9 - SPECIAL PRECAUTIONS****Precautions to be taken in handling and storage:**

Avoid inhalation and direct contact with skin. Decontaminate clothing. Store in a cool, dry place. Keep container closed when not in use. Use with adequate ventilation. Wash after use.

**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.**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 or 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.