MATERIAL SAFETY DATA SHEET
SECTION 1 - MANUFACTURER OR SUPPLIER DATA
US Chemical - A DIVISION OF HYDRITE CHEMICAL CO.
316 Hart Street
Watertown, Wisconsin 53094 USA

PREPARED BY: David E. Kanas
TITLE: Quality Assurance Manager
DATE: 1-1-91
PRODUCT INFORMATION TELEPHONE NO. (B 5 CST)
Medical Emergency ONLY: 1-800-228-5635 Ext. 075
Product Information: 1-800-558-9566

SECTION 2 - IDENTITY OF MATERIAL

PRODUCT NAME: USC CHLOR-BAC
PRODUCT DESCRIPTION: Chlorine Sanitizer (Oxidizing Agent) [EPA Registered]
FORMULA: Proprietary Blend
CHEMICAL FAMILY: N.A.

DOT PROPER SHIPPING NAME: Not Regulated by DOT
SHIPPING ID NUMBER: N.A.
HAZARD CLASS: N.A.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: N.A.
SPECIFIC GRAVITY (H2O = 1): N.A.
PHYSICAL FORM: Granular Powder
COLOR: White

VAPOR PRESSURE (mm Hg): N.A.
MELTING POINT: N.A.
SOLUBILITY IN WATER: SCENT

VAPOR DENSITY (AIR = 1): N.A.
EVAPORATION RATE (BUTYL ACETATE = 1): 0.6
PH 2500 ppm SOLUTION: pH CONCENTRATE

SECTION 4 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS: Sodium Dichloro-S-Triazinetrione, Dihydrate
[CAS Registry Number 51580-86-0]
OSHA PEL: .5 ppm TWA
ACGIH TLV: 1 ppm TWA
OTHER LIMITS RECOMMENDED: 1 ppm STEL
PERCENT: 30.0

This product contains no other ingredient considered hazardous according to the criteria of 29 CFR 1910.1200, OSHA. However, this product contains chemicals which may be subject to reporting requirements according to the criteria of SARA Title III, 40 CFR, Part 370, Section 311 and Section 312.

NFPA RATING: Health-2/Flammability-0/Reactivity-0
HMIS RATING: Health-2/Flammability-0/Reactivity-1

CARCINOGENICITY:
This product does not contain any known carcinogens or anticipated carcinogens according to the criteria of the NTP Annual Report on Carcinogens, IARC Monographs, and OSHA 29 CFR 1910, Subpart Z.

(CONTINUED ON REVERSE SIDE)
## SECTION 5 - SAFE USAGE DATA

### PROTECTIVE EQUIPMENT TYPES

**EYES**  
Safety glasses, safety goggles, and an eye-wash station.

**RESPIRATORY**  
Dust mask for handling greater than 25 lbs.

**GLOVES**  
Rubber (Latex).

**OTHER**  
Wear full-cover protective clothing to prevent repeated or prolonged contact.

### VENTILATION

**GENERAL MECHANICAL**  
Satisfactory. Maintain adequate ventilation. Keep levels below recommended TLV.

**LOCAL EXHAUST**  
Not ordinarily needed. Avoid inhalation of dust containing this product.

### PRECAUTIONS

**HANDLING & STORAGE**  
Follow all label directions. Instruct personnel about proper use, hazards, precautions, and first-aid measures. Avoid inhalation, ingestion and contact with skin and eyes. Rotate stock regularly. Handle carefully to avoid damaging container. Keep container closed when not in use. Use clean, dry utensils to avoid contamination. Keep out of children's reach.

## SECTION 6 - HEALTH HAZARD DATA

### EFFECTS OF EXPOSURE

**INHALATION**  
Inhalation of dust or mist containing this product may cause irritation to nose, throat, and mucous membranes, tissue damage, and pulmonary irritation.

**INGESTION**  
May cause nausea, vomiting, and tissue damage to mouth, esophagus, stomach, and to other tissues with which contact is made.

**SKIN & EYES**  
SKIN: Contact may cause mild to severe irritation, depending on degree of exposure. EYES: Contact may cause tearing, severe irritation, burning, vision loss, and blindness.

**ACUTE & CHRONIC**  
ACUTE: Irritant to skin and eyes. Prolonged eye contact may cause permanent damage. CHRONIC: None Known.

### ROUTES OF ENTRY

<table>
<thead>
<tr>
<th>INGESTION-X</th>
<th>SKIN ABSORPTION-X</th>
<th>TARGET ORGANS</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN-X</td>
<td>EYES-X</td>
<td>INHALATION-X</td>
</tr>
</tbody>
</table>

## SECTION 7 - PHYSICAL HAZARD DATA

### FLAMMABILITY

<table>
<thead>
<tr>
<th>LEL = N.A.</th>
<th>UEL = N.A.</th>
<th>FLASH POINT = N.A.</th>
<th>METHOD USED = N.A.</th>
</tr>
</thead>
</table>

### STABILITY

<table>
<thead>
<tr>
<th>STABLE</th>
<th>CONDITIONS TO AVOID</th>
<th>X</th>
<th>UNSTABLE</th>
<th>HAZARDOUS DECOMPOSITION PRODUCTS</th>
<th>WARNING! Mixing with incompatible materials may produce hydrazine, chlorine, hydrogen and other toxic and irritating fumes.</th>
</tr>
</thead>
</table>

### HAZARDOUS POLYMERIZATION

<table>
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<tr>
<th>MAY OCCUR</th>
<th>CONDITIONS TO AVOID</th>
<th>X</th>
</tr>
</thead>
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### INCOMPATIBILITY

| MATERIALS TO AVOID | X | Avoid contact with water on concentrated product in the container. Also avoid contact with easily oxidizable organic material, ammonia, arsine, reducing agents, calcium hypnotizers and alkalis. |

## SECTION 8 - EMERGENCY RESPONSE DATA

### FIRE

**EXTINGUISHING MEDIA**  
Wear a NIOSH-Approved self-contained breathing apparatus. Use water spray to knock down vapors.

**SPECIAL PROCEDURES**  
Use NIOSH-certified gas mask with canister for chlorine. If possible, remove container to open air and flood with water.

**UNUSUAL HAZARDS**  
Damp or decomposing material may be shock sensitive and explode. Decomposition products - chlorine, cyanogen chloride, carbon dioxide, ammonia, and nitrogen trichloride.

### FIRST AID MEASURES

**INGESTION:** Do not induce vomiting. If patient is conscious and can swallow, administer milk or water. SKIN: Remove contaminated clothes, flood with water for 15 minutes. EYES: Flood with lukewarm (not hot) water poured from a large glass 2 or 3 inches from eyes. Remove contacts. Have patient blink as much as possible while flooding the eyes. Continue for 15 minutes. INHALATION: Move victim to fresh air. Give artificial respiration if patient is not breathing. ADMINISTER FIRST AID TREATMENT AS STATED ABOVE, THEN CALL 1-800-229-5635 Ext 075 OR CONTACT PHYSICIAN FOR FURTHER MEDICAL INSTRUCTIONS.

### SPILLS

**STEPS TO BE TAKEN**  
Use proper protective equipment. Carefully sweep up and shovel into dry containers without raising dust. Covers containers and move containers out of spill area.

### WASTE DISPOSAL METHOD

**N.A.**  
Comply with all federal, state, and local regulations. Consult state and local authorities for restrictions on disposal of chemical waste.