CHEMICAL NAME: CALCIUM HYPOCHLORITE

FORMULA: Ca(OCl)2
CHEM. FAMILY: bleaching agents (oxidizers)

PRODUCT NAMES:
- CALCIUM HYPOCHLORITE (60%, 65%)
- CHLORO SHOCK
- CLORMOR (65%, GIANT TABS)
- FREESTYLE CALCIUM HYPOCHLORITE
- FREESTYLE SUPERSHOCK CHLOR
- HTH DRY CHLORINE (GRANULAR, TABLETS)
- INDUCIOR CALCIUM HYPOCHLORITE; NORWECO BIO-SANITIZER TABLET
- PITTABS CALC HYPOCHLORITE
- PITTCLOR CALCIUM HYPOCHLORITE
- PPG (3 IN CALCIUM HYPOCHLORITE, ACCU-SHOCK, ACCU-TAB BLUE SI TABLET,
  ACCU-TAB BLUE TABLETS, ACCU-TAB SI TABLETS, ACCU-TAB WHITE TABLETS,
  BLUE CALCIUM HYPOCHLORITE, CALCIUM HYPOCHLORITE 70, PPG INDUTABS
  CAL HYPO TABLETS, N-101 CALCIUM HYPOCHLORITE, ONLY 1 CALC HYPO,
  SUSTAIN CALC HYPOCHLORITE)

HAZARDS: Acute
PHYSICAL DATA: Mixture Solid

SECTION I  HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>MAX</th>
<th>EPCRA</th>
<th>AIR CONTAMINANT LEVELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Hypochlorite</td>
<td>75.0</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>(CAS # 7778-54-3 )</td>
<td></td>
<td></td>
<td>INDUSTRY RECOMMENDATION (PPG)</td>
</tr>
<tr>
<td>Calcium Oxychloride</td>
<td></td>
<td></td>
<td>STEL 2 mg/m3</td>
</tr>
</tbody>
</table>

Continued On Page 2
SECTION II HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE

DANGER! CORROSIVE SOLID. CAUSES BURNS. DESTROYS BODY TISSUES.

EYES
Eye contact with product may cause severe irritation burns blindness

SKIN
Skin contact may cause severe irritation burns tissue destruction

INHALATION
Inhalation may cause irritation coughing pain decreased breathing capacity excess fluid retention (pulmonary edema)

INGESTION
Ingestion may cause burns tissue destruction even death

TARGET ORGANS
OVEREXPOSURE MAY CAUSE DAMAGE TO,

eyes respiratory system gastrointestinal tract kidneys liver

FIRST AID
FIRST AID EYES
Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart to ensure flushing of entire surface. Call a physician.

FIRST AID SKIN
Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

FIRST AID INHALATION
Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth. If breathing is difficult give oxygen. Call a physician.

FIRST AID INGESTION
DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately.

OTHER INFORMATION

ROUTES OF ENTRY
eye contact skin contact inhalation ingestion

CARCINOGEN STATUS

Continued On Page 3
SECTION II HEALTH HAZARDS

No components, present in excess of 0.1% by weight are listed as carcinogens by IARC, NTP, or OSHA.

SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT

PROTECTIVE EQUIPMENT EYES
chemical goggles  faceshield  Do Not wear contact lenses when working with chemicals.

PROTECTIVE EQUIPMENT SKIN
impervious gloves  rubber apron  rubber boots  clean body covering clothing

PROTECTIVE EQUIPMENT INHALATION
If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:
Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements. None normally required.

ADDITIONAL PROTECTIVE MEASURES
Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): > OR = N/A
Flammable Limits (% Volume in Air)  UPPER: N/D  Lower: N/D

HMIS Info
Health : 3  NFPA Info
Health : 3
Fire : 0  Fire : 0
React : 1  React : 1
Special : X  Special : 0

EXTINGUISHING MEDIA
water

FIRE FIGHTING PROCEDURES
Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

Continued On Page 4
UNUSUAL FIRE & EXPLOSION HAZARDS
Product does not burn, but can provide oxygen which can intensify a fire. Intense heat may cause pressure buildup and rupture container. Product is an oxidizer. It may react vigorously with organics or other materials resulting in an explosion and fire.

SECTION V PHYSICAL DATA

Boiling Point: N/D
Freezing Point: N/D
Specific Gravity (H(2)O=1): 0.800 to 2.350 @ 68 Deg. F
Vapor Pressure (MM HG.): N/D
Vapor Density (AIR=1): N/D
Evaporation Rate (NA=1): N/D
Solubility in Water: 17%
Percent Volatile by Volume: N/D
pH: aqueous approx. 8.00 to 11.000
Appearance:
  SOLID - POWDER, CRYSTAL, FLAKE, GRANULE
  TABLET, PRILL, BRIQUETTE, ETC.
Odor: SHARP
SECTION VI REACTIVITY DATA

Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Sweep, shovel, or pick up and return to dry, clean container. Flush spill area with water. In Case Of Spills: Neutralize, contain, and dispose of in accordance with Federal, State and local regulations.

DISPOSAL METHOD
Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

SECTION VIII

Proper Shipping Name: CALCIUM HYPOCHLORITE HYDRATED
Hazard Class: 5.1, UN2880, PGII
Label Requirements: OXIDIZER
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS
Do Not get in eyes, on skin, or clothing. Keep from contact with clothing or other combustible materials. Do not swallow.

HANDLING
Keep heat, lights, fire, and sparks away. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE
Keep container closed when not in use. Store in a cool dry place. Keep out of reach of children.

SECTION X COMPLIANCE INFORMATION

Continued On Page 6
SECTION X COMPLIANCE INFORMATION

TSCA INVENTORY STATUS: Listed
INTERNATIONAL INVENTORY STATUS:
Europe (EINECS) Listed  Canada (DSL) Listed  Australia (AICS) Listed  Korea (KECI) Listed  Japan (MOL/ISHL) Listed  Philippines (PICCS) Listed

The information provided in this Material Safety data sheet has been obtained from sources believed to be reliable. Harcros Chemicals Inc provides no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. Harcros Chemicals Inc knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.