Material Safety Data Sheet

SECTION 1 -
Manufacturer's Name: So-White Chemical Co., Inc.
Address: 1075 Plover Road
City, State, and ZIP: Plover, WI 54467

Emergency Telephone No.: 715-344-4861
Other Information Calls: 715-344-4861

Signature of Person Responsible for Preparation (Optional): [Signature]
Date Prepared: March 1, 1990

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY
Hazardous Component(s) (chemical & common name(s)): NaOCl (Sodium Hypochlorite)

OSHA PEL: 1ppm
ACGIH TLV: 3mg/m³
Other Exposure Limits: (optional)

CAS NO.: 7681-52-9

Formula: NaOCl, Sodium Hypochlorite by Weight 12.5%
DOT NO.: 1791

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS
Boiling Point: 110°C
Specific Gravity (d20/4°C): 1.20
Vapor Pressure (mm Hg): N/A

Vapor Density (Air = 1): N/A
Reactivity in Water: None

Solubility in Water: Complete
Appearance and Odor: Odor—Pungent like chlorine, Color—Light yellow, Green
Melting Point: N/A

SECTION 4 - FIRE & EXPLOSION DATA
Flash Point (N/A): Nonflammable
Flammable Limits in Air % by Volume: Lower N/A, Upper N/A
Auto-Ignition Temperature: N/A
Extinguisher Media: Water

Special Fire Fighting Procedures: Avoid fumes from spilled or exposed liquid. Dilute copiously, ventilate, and be prepared to use respiratory protection if needed.

Unusual Fire and Explosion Hazards: Bleach decomposes when heated; decomposition products may cause containers to rupture or explode. Vigorous reaction possible with organic materials or oxidizing agents; may result in fire.
SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Unstable
Conditions: to Avoid: Light exposure, decrease in pH, contamination

Avoid contamination with heavy metals, ammonia, acids, organics, reducing agents.

Hazardous Decomposition Products: HOCl: Chlorine gas, NaCl, Sodium Chlorite, Oxygen gas

Avoid organic materials or oxidizing agents may result in fire.

SECTION 6 - HEALTH HAZARDS

1. Acute: Irritating effects increase with exposure time
   - Constant irritant to eyes and throat
   - Eyes red and sore; burning sensation on skin

Medical Conditions Generally Aggravated by Exposure: Respiratory problems

Chemical Listed as Carcinogen or Potential Carcinogen: N/A
National Toxicology Program: Yes
I.A.R.C. Monographs: No
OSHA: Yes

Emergency and First Aid Procedures: Remove from contaminated area; flush affected area with copious amounts of water. Ingestion - Drink water or milk, call physician immediately.

1. Inhalation: Remove person to fresh air.
2. Eyes: Flush with water for 15 mins, contact a physician.
3. Skin: Rinse off with copious quantities of water.
4. Ingestion: Drink water, milk and obtain medical attention.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: Store in cool dry place, away from direct sunlight, and not adjacent to chemicals which may react with bleach if spillage occurs.

Other Precautions: As stated on labels, if shipped must comply with DOT.

Steps to be Taken if Material is Released or Spilled: Dilute with copious amounts of water, if not diluted may seriously affect aquatic life.

Reduce with chemicals (bisulfites or ferrous salts)

Main end product is salt water. Some heat will be produced.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection: Chlorine rated gas mask if used in large quantities in closed location
Specify Type: N/A
Ventilation: Local Exhaust
Mechanical Exhaust
Other

Protective Gloves: Rubber or latex
Protective Eye Protection: Goggles or face shield
Other Protective Clothing or Equipment: Rubber apron or rubber shoes if spillage occurs. Safety shower/eye wash
Work/Hygienic Practices: Keep areas and floors clean

IMPORTANT
Do not leave any blank spaces. If required information is unavailable, unknown, or does not apply, so indicate.