

JUL 15 1993

**Material Safety Data Sheet**  
 May be used to comply with  
 OSHA's Hazard Communication Standard,  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements.

**U.S. Department of Labor**  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072



IDENTITY (As Used on Label and List)  
 SUNRISE BLEACH 5.25%  
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I --- (Godfrey)  
 Manufacturer's Name: So-White Chemical Co., Inc.  
 Address (Number, Street, City, State, and ZIP Code): 1075 Plover Road, Plover, WI 54467  
 Emergency Telephone Number: 715-344-4861  
 Telephone Number for Information: 715-344-4861  
 Date Prepared: June 12, 1989  
 Signature of Preparer (optional): [Signature]

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
NaOH (Sodium Hydroxide)	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>		
Cl <sub>2</sub> (Chlorine)	1ppm	3mg/m <sup>3</sup>		

Formula: NaOCl 5.25% by Weight  
 Dot No: UN 1791

PEL/TLV not listed for NaOCl

Section III — Physical/Chemical Characteristics

Boiling Point	110°C	Specific Gravity (H <sub>2</sub> O = 1)	1.080
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water: Complete

Appearance and Odor:  
 Color - Light Yellow - Green      Odor - Pungent like chlorine

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Nonflammable	Flammable Limits	N/A	LEL	N/A	UEL	N/A
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Extinguishing 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 V — Reactivity Data**

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

Incompatibility (Materials to Avoid)  
Avoid contamination with heavy metals, ammonia, acids, organics, reducing agents

Hazardous Decomposition or Byproducts  
HOCl; Chlorine gas, NaCl, Sodium Chlorite, Oxygen gas

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:                      Inhalation? Yes                      Skin? Yes                      Ingestion? Yes

Health Hazards (Acute and Chronic)  
Acute- Irritating effects increase with exposure time.  
Chronic - Constant irritant to eyes and throat.

Carcinogenicity: NO                      NTP? NO                      IARC Monographs? NO                      OSHA Regulated? YES

Signs and Symptoms of Exposure  
Eyes red and sore; burning sensation on skin.

Medical Conditions  
Generally Aggravated by Exposure

Respiratory problems.

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.

**Section VII — Precautions for Safe Handling and Use**

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

Waste Disposal Method  
Reduce with chemicals (bisulfites or ferrous salts). Main end product is salt water. Some heat will be produced.

Precautions to Be Taken in Handling and Storing  
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.

**Section VIII — Control Measures**

Respiratory Protection (Specify Type)  
Chlorine rated gas mask if used in large quantities in a closed location.

Ventilation	Local Exhaust None with normal usage	Special N/A
	Mechanical (General) None with normal usage	Other N/A

Protective Gloves: Rubber or plastic                      Eye Protection: Goggles or face shield.

Other Protective Clothing or Equipment  
Rubber apron or rubber shoes if spillage occurs. Safety shower/eye wash.

Work/Hygiene Practices  
Keep areas and floors clean.