

# Material Safety Data Sheet

QUICK IDENTIFIER (In Plant Common Name)

SEP 14 1994

Manufacturer's Name: Erbrich Products Company  
Address: 1120 E. 32nd Street, Indianapolis, IN 46205  
Signature of Person Responsible for Preparation: *Mark R. Beaman*  
Emergency Telephone No.: 317//925-6433 8:00AM-5:00PM  
Other Information Calls  
Date Prepared: 12/18/92

## SECTION 1 - IDENTITY

Common Name: (used on label) (Trade Name & Synonyms) Bleach - Sanitizer  
Cas No. 7681-52-9  
Chemical Name: Sodium Hypochlorite  
Chemical Family: Alkaline  
Formula: NaOCl

## SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical & common name(s))	%	Threshold Limit Value (units)
Sodium Hypochlorite	5.5%	

## SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point: Approx. 212°F  
Specific Gravity (H<sub>2</sub>O=1): 1.079  
Vapor Pressure (mm Hg): Unknown  
Percent Volatile by Volume (%): Approx. 5%  
Vapor Density (Air = 1): Unknown  
Evaporation Rate (\_\_\_\_\_ = 1): Less than one (1)  
Solubility in Water: Complete  
Reactivity in Water: None  
Appearance and Odor: Clear light yellow-green liquid with chlorine odor

Flash Point: Nonflammable  
Flammable Limits in Air % by Volume: Lower N/A, Upper N/A  
Extinguisher Media: N/A  
Auto-Ignition Temperature: N/A

Special Fire Fighting Procedures: Wear self contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: Exposure to heat will increase decomposition into chlorine gas.  
Chlorine gas is an oxidizer and will support combustion.



## SECTION 4 - PHYSICAL HAZARDS

Stability Unstable  Conditions  
Stable  to Avoid

Direct sunlight or high temperature

Incompatibility  
(Materials to Avoid)

Acids, ammonium products, organic materials or reducing agents.

Hazardous

Decomposition Products Chlorine Gas

Hazardous May Occur  Conditions  
Polymerization Will Not Occur  to Avoid

## SECTION 5 - HEALTH HAZARDS

Threshold  
Limit Value

Signs and Symptoms of Exposure 1. Acute  
Overexposure

Causes eye, skin or respiratory irritation

2. Chronic  
Overexposure

May act as a sensitizer

Medical Conditions Generally  
Aggravated by Exposure

Chemical Listed as Carcinogen  
or Potential Carcinogen

National Toxicology  
Program Yes   
No

I.A.R.C.  
Monographs Yes   
No

OSHA Yes   
No

OSHA Permissible  
Exposure Limit N/A

ACGIH Threshold  
Limit Value N/A

Other Exposure  
Limit Used 1 ppm for chlorine

Emergency and  
First Aid Procedures

1. Inhalation

Remove person to fresh air

2. Eyes

Wash copiously with water

3. Skin

Remove contaminated clothes, wash with water

4. Ingestion

Drink water or milk and obtain medical attention

## SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection  
(Specify Type)

NIOSH Approved Respirator with acid canister

Ventilation

None

Local  
Exhaust

N/A

Mechanical  
(General)

N/A

Special

Other

Protective  
Gloves

Rubber or Lantex

Eye  
Protection

goggles

Other Protective  
Clothing or Equipment

None

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken  
in Handling and Storage

store in a cool, dry, well ventilated area in closed non-corrosive

containers away from chemicals that react with bleach.

Other  
Precautions

Steps to be Taken in Case  
Material is Released or Spilled

Dilute with copious amounts of water and dilute bisulfites or

ferrous salt solutions

Waste Disposal  
Methods

Dilute with copious amounts of water, flush down sewer.

### IMPORTANT

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