

Material Safety Data Sheet



Manufacturer's Name Erbrich Products Company	Emergency Telephone No. 317//925-6433 8:00AM-5:00PM
Address 1120 E. 32nd Street Indianapolis, IN 46205	Other Information Calls
Signature of Person Responsible for Preparation <i>Mark B. Benjan</i>	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 (ppm)
Sodium Hypochlorite	5.5%	

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

Boiling Point Approx. 212°F	Specific Gravity (H ₂ 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 N/A	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.

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SECTION 4 - PHYSICAL HAZARDS

Stability Unstable Stable Conditions 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 Polymerization May Occur Will Not Occur Conditions 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 Lortex 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.