



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
CLOTHESLINE FRESH CHLORINE BLEACH [4]
 Product Number: 7004

Product Division:
Janitorial

Spartan Chemical Company, Inc.
 1110 Spartan Drive
 Maumee OH 43537

Product/Technical Information: 1-(800)-537-8990
 Medical Emergency: 1-(888)-314-6171 (24 hours)
 Chemical Leak/Spill Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Corrosive liquids, n.o.s., 8, UN 1760, III (contains sodium hypochlorite)

NFPA Ratings:	HMIS Ratings:
Health: 3 - Serious Fire: 0 - Minimal Reactivity: 1- Slight	Health: 3 - Serious Fire: 0 - Minimal Reactivity: 1- Slight Pers. Prot. Equip.: See Section VIII

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

Chemical Name(s)	%Wt	CAS Registry No.	Table Z-1-A			NTP, IARC or OSHA Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Sodium hypochlorite	10-15	7681-52-9	Not Established	Not Established	Not Established	No
Sodium hydroxide	1-5	1310-73-2	2	Not Established	Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point: Approx. 220 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): N/A	Solubility in Water: Complete
pH: Approx. 12.5-13.5	Specific Gravity (H ₂ O=1): 1.07 - 1.26
Evaporation Rate (but.ace.=1): < 1	Percent Solid by Weight: 13-15
Physical State: Liquid	
Appearance & Odor: Greenish-yellow liquid, chlorine odor	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 220°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Flood with water or carbon dioxide.	
Special Fire Fighting Procedures: Wear self contained breathing apparatus with full face protection and full protective clothing. Avoid inhalation of fumes and body contact. Stay up-wind and out of low lying areas.	
Unusual Fire & Explosive Hazards: In fire, this material may decompose and produce irritating vapors, chlorine gas and oxides of sodium. When heated or in contact with many metals, this product gives off oxygen which may increase fire hazard. Contain run-off water to prevent environmental damage. Toxic fumes may be liberated by contact with acid or heat. Vigorous reactions can occur with oxidizable materials and organics.	

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin , Eyes, Oral
Effects of Overexposure- Conditions to Avoid:	<p>CORROSIVE: CAUSES EYE AND SKIN BURNS: Symptoms include chemical burns, pain, redness, swelling of the conjunctiva and tissue destruction. HARMFUL CONTACT MAY NOT CAUSE IMMEDIATE PAIN HARMFUL IF SWALLOWED: Causes damage to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. HARMFUL IF INHALED: This product is irritating to the nose, mouth, throat and lungs. It may also cause burns to the respiratory tract with the production of lung edema which can result in shortness of breath, wheezing, choking, chest pain and impairment of lung function. Inhalation of high concentrations of mist can result in permanent lung damage. DO NOT GET IN EYES, ON SKIN OR CLOTHING. DO NOT BREATHE PRODUCT VAPOR OR MIST. DO NOT SWALLOW. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.</p>		
Conditions Aggravated by Use:	Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma; emphysema or obstructive lung disease. May aggravate preexisting skin disorders.		
Emergency & First Aid Procedures :			
Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present; after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for further treatment advice.		
Skin:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice. Wash contaminated clothing before reuse.		
Ingestion:	Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.		
Inhalation:	Move person to fresh air. If person is not breathing; call 911 or an ambulance; then give artificial respiration; preferably by mouth -to-mouth; if possible. Call a poison control center or doctor for further treatment advice.		

Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VI: REACTIVITY DATA

Stability:	Product decomposes with age: light: heat: decreases in pH: and metallic impurities.	Incompatible Materials:	Acids; ammonia; oxidizable materials; most metals; heat sources; organic halogen and nitrocompounds.
Hazardous Decomposition Products:	Sodium chlorate, Hypochlorous acid, chlorine gas & hydrochloric acid	Hazardous Polymerization:	Will Not Occur

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:	Contain large spills and transfer the material to appropriate containers for reclamation or disposal. Absorb remaining material or small spills with an inert material and dispose of in accordance with federal, state and local regulations. Keep spill out of storm sewers and waterways.
Waste Disposal Method:	Dispose of in compliance with all federal, state and local laws and regulations.

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	Not expected to be required with normal use. However if exposure limits are exceeded (see Section II) or if respiratory irritation occurs, the use of a NIOSH approved respirator suitable for the use-conditions and chemicals listed in Section II should be considered. (N95 or greater with an acid gas cartridge recommended) Or use self contained breathing apparatus.
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. Product decomposes slowly to produce chlorine gas.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended when handling product.
Eye Protection(Specify Type):	Splash goggles and face shield are recommended when handling product.
Other Protective Equipment:	Use of rubber aprons; rubber boots and other protective clothing is recommended where contact with body may occur. Eye wash stations and washing facilities should be readily accessible in areas where product is handled.. See 29 CFR 1910.132-138 for further guidance.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing: Store in a cool, dry, well ventilated area. Keep product temperature below 85 F and above 32 F. Store in upright vented, closed containers protected from direct sunlight. Do not store near acids, heat or oxidizable materials or organics. Empty containers retain product residue, continue to obey safety and handling precautions. Contact with ammonia and amine-based compounds can generate toxic chloramine compounds. Contact with acids can release dangerous chlorine gas.

Other Precautions: Keep out of reach of children. Mix only with water. Do not use or mix with other cleaning products.

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**CLOTHESLINE FRESH CHLORINE
BLEACH [4]**

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Changes: General Update

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