



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
SPARCHLOR 2 CHLORINATED SANITIZER
Product Number: 3090

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/Spil 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: 0 - Minimal	Health: 3 - Serious Fire: 0 - Minimal Reactivity: 0 - Minimal 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	10-16	7681-52-9	Not Established	Not Established	Not Established	No
Sodium hydroxide	0.2-2.0	1310-73-2	2	Not Established	Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point: Aprox. 220 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): N/A	Solubility in Water: Complete
pH: Approx. 12.5	Specific Gravity (H ₂ O=1): 1.1 - 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 NIOSH certified gas mask and full protective clothing and eye wear. 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:	Corrosive. May be fatal in ingested. Ingestion causes burns and irritation of mouth, throat, esophagus and other digestive system tissues immediately on contact. Ingestion of large quantities may be fatal. Causes severe damage to eyes. Eye contact causes severe pain, irritation, damage and reddening. Prolonged exposure may cause blindness. Causes severe damage to skin. Exposure to skin causes reddening, pain, irritation & damage. Prolonged or repeated contact may result in ulcerating burns and dermatitis. 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 swallow. Avoid breathing product vapors or mist.		
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:	Immediately flush eyes with water for at least 15 minutes including under the eyelids. Remove contact lenses. Get immediate medical attention.		
Skin:	Remove contaminated clothing. Wash skin with plenty of soap and water. Wash contaminated clothing before reuse. Destroy contaminated shoes. Get immediate medical attention.		
Ingestion:	Call a physician or poison control center immediately. Do not induce vomiting. Drink one or two glasses of water to dilute product. Do not give anything by mouth to an unconscious person.		
Inhalation:	Move person to fresh air. If breathing is difficult; administer oxygen. If breathing has stopped; give artificial respiration. Get medical attention.		

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:	Dike and contain spill with inert material (sand, earth, commercial absorbent, etc.) and transfer to containers for disposal. Rinse area with water and flush to sanitary sewer. 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:	If irritation occurs use NIOSH approved respirator appropriate for the chemicals listed in Section II or self contained breathing apparatus.
Ventilation:	Good general ventilation should be provided. Local exhaust ventilation may be necessary in some cases. Product decomposes slowly to produce chlorine gas. Use sufficient ventilation to maintain NIOSH REL for chlorine: 1.45 mg/cubic meter (Ceiling)
Protective Gloves(Specify Type):	Impervious gloves (neoprene or rubber) are recommended.
Eye Protection(Specify Type):	Splash goggles and/or face shield are recommended .
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 undiluted 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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**SPARCHLOR 2 CHLORINATED
SANITIZER**

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook

Effective Date: 06/01/2004

Changes: Update Sections I, IV, V & VIII

Title: Manager, Regulatory Affairs

Supercedes: 03/15/2002

to the accuracy of the information contained herein. Actual conditions of use and handling are beyond sellers control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State and Local laws and regulations