



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):

CHLORINATED PLUS

Product Number: 3074

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, II, (contains sodium hydroxide, 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 hydroxide	5-10	1310-73-2	2	Not Established	2 (ACGIH)	No
Potassium hydroxide	1-5	1310-58-3	Not Established	Not Established	2 (NIOSH)	No
Sodium hypochlorite	1-5	7681-52-9	Not Established	Not Established	Not Established	No
Polycarboxylate, sodium salt	1-5	Proprietary	Not Established	Not Established	Not Established	No
Sodium 2-ethylhexyl sulfate	1-5	126-92-1	Not Established	Not Established	Not Established	No

SECTION III: PHYSICAL DATA

Boiling Point: >212 °F	Vapor Pressure: Unknown
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 13.5-14.0	Specific Gravity (H ₂ O=1): 1.140
Evaporation Rate (but.acet.=1): <1	Percent Solid by Weight: 15-20
Physical State: Liquid	
Appearance & Odor: Clear, light yellow liquid, bleach odor	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: > 212°F	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire	
Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray.	
Unusual Fire & Explosive Hazards: Combustion products are toxic. Decomposition products may include chlorine. Contact with aluminum or other reactive metals may release hydrogen gas. Heat is generated when mixed with water. This reaction may be violent.	

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value:	Not Established	Primary Routes of Entry:	Inhalation, Skin Contact, Eyes
Effects of Overexposure- Conditions to Avoid:	CORROSIVE: Causes eye burns: Causes severe eye damage or irritation with symptoms of pain, redness and chemical burns. Eye contact may cause blindness. Causes skin burns: Causes severe skin damage or irritation with symptoms of pain, redness and chemical burns. Harmful contact may not cause immediate pain. Harmful or fatal if swallowed: Causes damage or chemical burns to esophagus and mucous membranes with symptoms of pain, nausea, vomiting and diarrhea. Harmful if inhaled: Breathing product vapor or mist may cause irritation or damage of the respiratory tract, with symptoms of nasal discomfort and discharge with chest pain and coughing. Do not get in eyes, on skin or on clothing. Do not breathe product vapors or mist. Do not swallow. Use with adequate ventilation. Wash thoroughly after handling. Contains sodium hypochlorite. Do not use or mix with other cleaning products, acids, ammonia, or other chemicals. To do so may release hazardous gases.		
Conditions Aggravated by Use:	Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. Not recommended for use by persons with heart conditions or chronic respiratory problems such as asthma; emphysema; or obstructive lung disease.		
Emergency & First Aid Procedures :			
Eyes:	Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Get medical attention immediately.		
Skin:	Remove contaminated clothing and shoes. Flush skin with water for at least 15 minutes. Get medical attention if irritation persists. Wash contaminated clothing before reuse. Destroy contaminated shoes.		
Ingestion:	Call a poison control center or doctor immediately for treatment advice. 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:	In case of respiratory irritation; move person to fresh air. Get medical attention immediately.		

SECTION VI: REACTIVITY DATA

Stability:	Stable	Incompatible Materials:	Acids; ammonia; iron; copper and other oxidizable materials
Hazardous Decomposition Products:	Hypochlorous acid, chlorine	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 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 (Acid-gas cartridge with N95 particulate prefilter recommended)
Ventilation:	Provide good general ventilation. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type):	Rubber or other impervious gloves are recommended
Eye Protection(Specify Type):	Splash goggles are recommended to prevent eye contact
Other Protective Equipment:	Use of impervious apron, boots, face shield and other protective equipment should be considered in order to prevent or minimize contact with this product. 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 area. Keep container closed when not in use. Extended storage at higher temperatures will decrease the shelf life of this product
Other Precautions:	Heat is generated when mixed with water. Add product to water to reduce the possibility of splattering. Keep out of reach of children

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CHLORINATED PLUS

Ref: 29 CFR 1910.1200 (OSHA)

Name: Ronald T. Cook

Effective Date: 02/16/2011

Changes: Formula Revision

Title: Manager, Regulatory Affairs

Supersedes: 08/20/2008

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