



Spartan Chemical Company, Inc.

Material Safety Data Sheet

SECTION I: PRODUCT INFORMATION

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

**LIQUID STEAM CLEANER
(PHOSPHATE FREE)**

Product Number: 2331

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: Compounds, cleaning liquid, 8, NA 1760, II, (contains potassium hydroxide)

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.: B - Safety Glasses; gloves

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			Carcinogen
			TWA mg/m ³	STEL mg/m ³	CEILING mg/m ³	
Sodium metasilicate	05-10	6834-92-0	Not Established	Not Established	Not Established	No
Potassium hydroxide	<5	1310-58-3	Not Established	Not Established	2	No
Tetrasodium ethylene diaminetetraacetate	01-05	64-02-8	Not Established	Not Established	Not Established	No
	-	-	-	-	-	-

SECTION III: PHYSICAL DATA

Boiling Point: 212 °F	Vapor Pressure: 18 mm Hg @ 75°F
Vapor Density (AIR = 1): Unknown	Solubility in Water: Complete
pH: 13.3-13.7	Specific Gravity (H ₂ O=1): 1.149
Evaporation Rate (but.ace.=1): <1	Percent Solid by Weight: 16-18
Physical State: Liquid	
Appearance & Odor: Purple, no odor	

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

Flash Point: None	Method Used: ASTM-D56
Flammable Limits: Not Established	Flame Extension: N/A
Extinguishing Media: N/A	
Special Fire Fighting Procedures: N/A	
Unusual Fire & Explosive Hazards: N/A	

SECTION V: HEALTH HAZARD DATA

Threshold Limit Value: Not Established	Primary Routes of Entry: Skin Contact
Effects of Overexposure- Severe eye and skin irritant. Avoid prolonged skin contact. Avoid prolonged breathing of vapors. Conditions to Avoid: Oral LD ₅₀ >500 but <5000 mg/kg.	
Conditions Aggravated by Use: Unknown	

Emergency & First Aid Procedures:

Eyes: In case of contact: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses. Call a physician.
Skin: In case of contact; flush skin with water for at least 15 minutes. If irritation persists; call a physician. Wash clothing before reuse.
Ingestion: If swallowed; do not induce vomiting. Give large quantities of water. Call a physician immediately. Never give anything by mouth to an unconscious person.

SECTION VI: REACTIVITY DATA

Stability: Stable	Incompatible Materials: Do not mix with strong acids.
Hazardous Decomposition Products: None known	Hazardous Polymerization: Will Not Occur

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled: Flush through normal sanitary sewer system.
Waste Disposal Method: Same as above

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required
Ventilation: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.
Protective Gloves(Specify Type): Rubber gloves
Eye Protection(Specify Type): Safety goggles
Other Protective Equipment: Under certain conditions, resistant aprons and boots are suggested.

SECTION IX: SPECIAL PRECAUTIONS

Precautions; Handling & Storing: Nothing special
Other Precautions: None

© SCC 11/19/99 Name: Ronald T. Cook Title: Manager, Regulatory Affairs
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(PHOSPHATE FREE)
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