



**Spartan Chemical Company, Inc.**  
**Material Safety Data Sheet**

*HDO NEUTRAL  
 ONE-STEP GERMICIDAL  
 DETERGENT AND DEODORANT*

**SECTION I: PRODUCT INFORMATION**

Product Name or Number (as it appears on label):  
**HDO NEUTRAL**  
 Product Number: 1202; 1201

Product Division:  
**Janitorial**

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

Product/Technical Information: 1-(800)-537-8990  
 Medical Emergency: 1-(888)-314-8171 (24 hours)  
 Chemical Leak/Spl Emergency: CHEMTREC 1-(800) 424-9300 (24 hours)

Shipping Description: Cleaning compounds, liquid, n.o.s.

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 <sup>3</sup>	STEL mg/m <sup>3</sup>	CEILING mg/m <sup>3</sup>	
Didecyl dimethyl ammonium chloride	01-05	7173-51-5	Not Established	Not Established	Not Established	No
Alkyl dimethyl benzyl ammonium chloride	01-05	8001-54-5	Not Established	Not Established	Not Established	No
Octyl dimethyl amine oxide	01-05	2605-78-9	Not Established	Not Established	Not Established	No
Tetrasodium ethylene diaminetetraacetate	01-05	64-02-8	Not Established	Not Established	Not Established	No
Ethanol	01-05	64-17-5	1900	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: 7.2-8.2	Specific Gravity (H <sub>2</sub> O=1): 1.00
Evaporation Rate (but. ace. =1): <1	Percent Solid by Weight: 10-12
Physical State: Liquid	
Appearance & Odor: Non-viscous red liquid, mild citrus fragrance	

**SECTION IV: FIRE & EXPLOSIVE HAZARD DATA**

Flash Point: > 212 °F	Method Used: ASTM-D55
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*COPIES OF THIS MSDS ARE AVAILABLE TO THE PUBLIC AT THE FOLLOWING ADDRESS:*  
 MAY 12 1994  
 800-537-8990

Flammable Limits: N/A

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: Products of combustion are toxic.