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MATERIAL SAFETY DATA SHEET

Supersedes: N/A

Issue Date: 3/1/00 Issue Date: N/A

SECTION I - CHEMICAL PRODUCT

Identity: Disinfecting Liquid Hard Surface Cleaner

Brands: SPIC and SPAN Disinfecting All-Purpose Spray and Glass Cleaner Ready to Use (Professional Line)

Hazard Rating: 2

Health: 1 Flammability: 2 Reactivity: 4=EXTREME 3=HIGH 2= MODERATE 1=SLIGHT

Emergency Telephone Number: 24hr P&G Operator - 1-513-983-1100 or call Local Poison Control Center

SECTION II - COMPOSITION AND INGREDIENTS

Ingredients/Chemical Name: Cleaning agents (ethanol, butoxypropanol), quaternary, water, colorant and perfume

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.

<u>Chemical</u> <u>Name</u>	Common Name	CAS No.	Recommended Limits	Composition Range	LD50/LC50
Ethyl alcohol	Ethanol	64-17-5	ACGIH TLV: 1000 mg/m ³	1-4%	
2-aminoethanol	Monoethanol- amine	141-43-5	ACGIH TLV: 3 ppm OSHA PEL: 3 mg/m ³ OSHA PEL: 6 ppm (15 min)	0.1-1%	

SECTION III - HAZARDS IDENTIFICATION					
Health Hazards (Acute and Chronic):					
Ingestion:	May cause mucous membrane irritation				
Eye Contact:	May cause eye irritation.				
Inhalation:	May cause mucous membrane irritation				
Skin:	May cause skin irritation				
Signs and Symptoms of Exposure:					
Ingestion:	Possible mild gastrointestinal irritation with nausea, vomiting and/or diarrhea. Large ingestions may cause temporary dizziness, uncoordination and headache.				
Eye Contact:	Eye contact may result in transient, superficial effects similar to those produced by mild toilet soaps.				
Skin:	May cause skin irritation. Use on irritated or extremely dry skin may aggravate the existing condition.				
Inhalation:	N/A				

SECTION IV - FIRST AID INFORMATION				
Emergency and First Aid Procedures:				
Inhalation:	Remove to fresh air.			
Ingestion:	Dilute with fluids and treat symptomatically. For large ingestions, call a physician.			
Eye contact:	Flush thoroughly with water for 15 minutes. Get medical attention if irritation persists.			
Skin:	Rinse exposed area with soap and water and discontinue use			
Other : Product package has a caution statement: KEEP OUT OF REACH OF CHILDREN. CAUTION: Causes eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.				

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): 136°F (cc) **Explosive Limits**: LEL: N/A UEL: N/A Extinguishing Media: CO₂, dry chemical, water, or "alcohol" foam. Special Fire Fighting Procedures: Use water to keep fire exposed containers cool. Unusual Fire Hazards: Combustible liquid.. Product will produce a brief flash but will not support sustained combustion when in contact with open flame above the indicated flashpoint. Stability Conditions to Avoid: None known Unstable: Stable: X Incompatibility (Materials to Avoid): None known Hazardous Decomposition/By Products: None known Hazardous Polymerization: Conditions to Avoid: None known May Occur: Will Not Occur: X

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: N/A

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Small quantities may be slowly flushed down sewer with excess water or dispose as liquid scrap. Discard empty container in trash.

Steps To Be Taken in Case Material is Released or Spilled: Use water spray or dilute and/or wash away spills to avoid exposure and to protect persons working to stop/repair leak.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Handling and storage must be well ventilated, cool and dry. Materials must be isolated from potential sources of ignition. Fire fighting equipment must be available at all times.

Other Precautions: Keep away from sparks and open flame.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION					
Respiratory Protection (Specify Type): None required with normal use.					
Ventilation	Local Exhaust: Not necessary.	Special: None			
	Mechanical (General): Acceptable.	Other: None			
Eye Protection: None required with normal use.					
Industrial Setting: If splash of solution is likely, chemical goggles may be needed.					
Protective Gloves: None required with normal use.					
Industrial Setting: Minimize skin contact with protective gloves (rubber, neoprene).					
Other Protective Equipment: None required with normal use.					
Industrial Setting: Use ventilation to minimize exposure to vapor or mist (ethanol).					

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: 200°F Vapor Pressure (mm Hg): N/A Vapor Density (Air=1): N/A Odor Threshold: N/A Coefficient of Water/Oil Distribution: N/A Scooped Density: N/A Appearance and Odor: Light blue liquid solvent odor

Specific Gravity (H₂O=1): 0.99 Percent Volatile by Volume (%): ca. 95 Evaporation Rate (nBuOAc=1): N/K Freezing Point: N/A pH (100% solution): 10.7 Solubility in Water: Completely Reserve Alkalinity: N/A

SECTION X - STABILITY AND REACTIVITY

Possible Hazardous Reactions/Conditions: None known

Conditions to Avoid: None

Materials to Avoid: None

Hazardous Decomposition Products: None known

Other Recommendations: None

SECTION XI - TOXICOLOGICAL INFORMATION

LD50 (rats oral): >20 g/kg

SECTION XII - ECOLOGICAL INFORMATION

No concerns at relevant environmental concentrations.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Slowly flush down sewer with excess water or dispose as liquid scrap. . DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Discard empty container in trash.

SECTION XIV - TRANSPORT INFORMATION

DOT Classification: Combustible liquid not regulated in packaging of less than 119 gallons. When shipped in bulk, classified as compounds, cleaning liquid Class 3 (NA 1993)

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory. No components are affected by Significant New Use Rules (SNURs) under TSCA §5.

No components of Spic & Span Disinfecting All-Purpose Spray & Glass Cleaner RTU are subject to California Proposition 65.

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

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