

<b>MATERIAL SAFETY DATA SHEET</b>	HIMIS RATING:	HEALTH: 1 FLAMMABILITY: 4 REACTIVITY: 0
	RATING LEGEND:	4=extreme,3=serious,2=moderate,1=slight,0=minimal
IDENTITY: HANDI-CIDE HOSPITAL DISINFECTANT A49		NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name  Address:	Distributed by: Handi-Clean Products, Inc. 301 Swing Rd. Greensboro, NC 27409	Emergency Telephone Number (336) 292-3083 After 5:00 p.m. (336) 454-3662	Telephone Number for Information (336) 292-3083	Date Prepared 6/15/2004

### Section II - Hazardous Ingredients/Identity Information

	CAS NO.	OSHA PEL	ACGIH TLV	% (optional)
Ortho Phenyl Phenol	90-43-7	NE	NE	0.1-0.5
Para Tertiary Amylphenol	80-46-6	NE	NE	0.0-0.1
SDA 3A Denatured Alcohol (mixture: water, Ethyl & Methyl Alcohol)				55-60
A. Methyl Alcohol	67-56-1	200 ppm	200 ppm	--
B. Ethyl Alcohol	64-17-5	1000	1000	--
Sodium Nitrite	7632-00-0	NE	NE	0.1-0.5
Ammonium Hydroxide	1336-21-6	50	25 ammonia	0.0-0.5
Liquefied Petroleum Gas	68476-85-7	1000	1000	25-30

### Section III - Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H <sub>2</sub> O = 1)	<1	Appearance	Wet Misty Spray
Vapor Pressure (psig)	125@130 <sup>0</sup> F	Evaporation Rate	<1	Odor	Floral
Vapor Density (AIR = 1)	>1	(Ether = 1)		Solubility in Water	Appreciable

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): Flammable	Flammable Limits	LEL: 1.8	UEL - 9.2
Extinguishing Media: Carbon dioxide, foam and/or dry chemical may be used.			
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up. Use equipment or shielding, as required, to protect personnel from bursting, rupturing or venting containers.			
Unusual Fire and Explosion Hazards: At elevated temperatures (over 54 <sup>0</sup> C-130 <sup>0</sup> F) containers may vent or burst.			

### Section V - Reactivity Data

Stability:	Stable	X	Unstable	
Hazardous Polymerization:	May Occur		Will Not Occur	N/A
Incompatibility (Materials to Avoid): Strong oxidizers, heat and flame.				
Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide and additional toxic chemicals may be formed in small amounts.				
Conditions to Avoid: Do not store above 54 <sup>0</sup> C-130 <sup>0</sup> F. Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.				

### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Eyes?	X	Ingestion?	X
Health Hazards (Acute and Chronic): INHALATION: Could cause respiratory irritation. SKIN: High concentrations may lead to drying, irritation and dermatitis. Possible skin absorption. EYES: Contact may cause burning and irritation.								
Medical Conditions Generally Aggravated by Exposure: Preexisting skin or eye disorders may be aggravated by exposure to this product.								

**Emergency and First Aid Procedures:** **EYES:** Flush eye with plenty of water for 15 minutes while holding eyelids open. Remove contact lenses. Get medical attention if irritation persists. **SKIN:** Remove contaminated clothing. Flush skin with water, follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. **INHALATION:** Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention. **INGESTION:** Get medical attention.

### Section VII - Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled:** Remove all sources of ignition and ventilate area. Soak up spill with an inert absorbent and place into a designated disposal container. Consult local regulatory agency for proper disposition of material.

**Waste Disposal Method:** Dispose in accordance with local, state, & federal regulations. Do not puncture or incinerate containers. When contents are depleted continue to depress button until all gas is expelled.

**Precautions to Be Taken in Handling and Storing:** Avoid breathing vapor. Keep away from heat and flame. Use with adequate ventilation. Do not expose to direct sunlight or store at temperatures above 130°F (54°C). Store as Level 2 Aerosol (NFPA 30B).

**Other Precautions:** KEEP OUT OF REACH OF CHILDREN. Please read and follow directions on the product label; they are your best guide to using this product in the most effective way, and give the necessary safety precautions to protect your health.

### Section VIII - Control Measures

<b>Respiratory Protection (Specify Type):</b> None required in good ventilation	<b>Ventilation:</b> Normal
<b>Protective Gloves:</b> Optional (Chemical Resistant)	<b>Eye Protection:</b> Safety Glasses
<b>Other Protective Clothing or Equipment:</b> Wear impervious clothing to prevent skin contact.	
<b>Work/Hygienic Practices:</b> Wash hands with soap and water after using product	