

MATERIAL SAFETY DATA SHEET

May be used to comply with
OSHA's Hazard Communications Standard,
29 CFR 1910. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB N. 1218-0072

IDENTITY: DOKTOR HANDI-CLEAN HAND CLEANER W864; W90; W877		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.	
HMIS RATING:	HEALTH: 1	FLAMMABILITY: 1	REACTIVITY: 1
RATING LEGEND:	4 = extreme, 3 = serious, 2 = moderate, 1 = slight, 0 = minimal		

Section I

Manufacturer's Name	Distributed by: Handi-Clean Products, Inc.	Emergency Telephone Number (336) 292-3083 After 5:00 p.m. (336) 454-3662	
Address:	301 Swing Rd. Greensboro, NC 27409	Telephone Number for Information (336) 292-3083	Date Prepared 8/2/2007

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Vegetable Methyl Esters	68990-52-3	N/E	N/E	--	< 15.0
Orange Terpenes	68917-57-7	N/E	N/E	--	< 25.0

Section III - Physical/Chemical Characteristics

Boiling Point	> 212 F	Specific Gravity (H₂O = 1)	0.9	Appearance	White Gel
Vapor Pressure (mm Hg)	N/E	Evaporation Rate	N/A	Odor	Citrus
Vapor Density (AIR = 1)	N/E	(Butyl Acetate = 1)		Solubility in Water	Complete

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 120 ⁰ F (T.C.C.)	Flammable Limits	LEL - --	UEL - --
Extinguishing Media: Use appropriate methods for combating surrounding fire.			
Special Fire Fighting Procedures: Wear a self contained breathing apparatus with a full face piece operated in the positive pressure demand mode.			
Unusual Fire and Explosion Hazards: --			

Section V - Reactivity Data

Stability:	Stable	X	Unstable
Hazardous Polymerization:	May Occur		Will Not Occur X
Incompatibility (Materials to Avoid): Strong Acids, oxidizers.			
Hazardous Decomposition or Byproducts: CO, CO ₂ .			
Conditions to Avoid: High Temperature.			

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Eyes? X	Ingestion?
Health Hazards (Acute/Potential): EYES: Causes severe irritation experienced as a discomfort or pain, excess blinking and tear production, with redness and swelling of the conjunctiva. SKIN: Prolonged contact may cause slight to moderate irritation. INHALATION: Overexposure may cause irritation of the respiratory tract. INGESTION: Harmful or fatal if swallowed. Aspiration hazard. Symptoms may include nausea vomiting and diarrhea.				
Signs and Symptoms of Overexposure: May cause irritation and drying of skin.				
Health Hazards (Chronic/Long-term): No data.				
Emergency and First Aid Procedures: EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. SKIN: Rinse well with water. If irritation persists, seek medical attention. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. INGESTION: Seek medical attention immediately. DO NOT INDUCE vomiting. If victim is alert, give 1/2 to 1 glass of water. Call a poison control center or doctor for treatment advice.				

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Eliminate ignition sources. Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.
Waste Disposal Method: In accordance with federal, state and local environmental control regulations.
Precautions to Be Taken in Handling and Storing: Store in a cool, dry area. Keep from freezing. Use with adequate ventilation. Do not get in eyes or on clothing. Keep container closed when not in use.
Other Precautions: KEEP OUT OF REACH OF CHILDREN

Section VIII - Control Measures

Respiratory Protection (Specify Type): None required	Ventilation: General
Protective Gloves: None required	Eye Protection: Eye wash fountain recommended.
Other Protective Clothing or Equipment: None required	
Work/Hygienic Practices: No special precautions.	