



MATERIAL SAFETY DATA SHEET
M.S.D.S. Prepared to comply with O.S.H.A.
Hazard Communication Standard,
29 CFR 1910.1200

HAZARD RATING	
0 = Insignificant	Health 1
1 = Slight	Fire 0
2 = Moderate	Reactivity 0
3 = High	
4 = Extreme	

PROD NAME: **VANGUARD** Prod No.: 400 Date Revised: 8/2004

SECTION I: MANUFACTURERS INFORMATION

Manufactured By: LAWTON BROS., INC.	EMERGENCY PHONE NO.: INFOTRAC 1-800-535-5053
Street Address: 2515 Dinneen Ave.	Information Phone No.: 1-407-291-2501
Mailing Address: P.O. Box 547635	Product Type: FLOOR COATING
City/State/Zip Orlando, FL. 32854-7635	Formula Type: WATER BASED POLYURETHANE

SECTION II: HAZARDOUS INGREDIENT INFORMATION

<i>HAZARDOUS COMPONENTS</i>	<i>C.A.S. REG NOS.</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>WT.% MAX</i>
DIETHYLENEGLYCOL N-BUTYLETHER	112-34-5	NOT EST	NOT EST	5.00
DIETHYLENEGLYCOL MONOETHYLETHER	111-90-0	NOT EST	NOT EST	5.00
N-METHYL-2-PYRROLIDONE	872-50-4	100 PPM	100 PPM	5.00

HAZARDOUS COMPONENTS LISTED ARE SUBJECT TO REPORTING REQUIREMENTS OF SECTION 313 OF SARA TITLE III AND 40 CFR PART 372.

SECTION III: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: > 100°C	Evaporation Rate vs H₂O: SLOWER	Viscosity: WATER THIN	Specific Gravity: 1.028
Freezing Point: < 0°C	Vapor Density vs Air: NA	Solubility in H₂O: DISPERSIBLE	pH @ 25°C: 9.0 ± .5

Appearance and odor: MILK WHITE WATER THIN LIQUID WITH MILD SOLVENT ODOR.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (method used): NOT FLAMMABLE OR COMBUSTIBLE.	Flammable Limits	LEL	UEL
Extinguishing Media:			
Special Fire Fighting Procedure:			
Unusual Fire & Explosion Hazards:			

SECTION V: REACTIVITY DATA

Stability: STABLE	Incompatibility: DO NOT MIX WITH ANY OTHER CHEMICALS NOT RECOMMENDED ON LABEL.
Hazardous Decomposition Products (thermal): ORGANIC ACIDS AND OXIDES OF CARBON AND NITROGEN.	

SECTION VI: HEALTH HAZARDS, SIGNS OF OVEREXPOSURE OR ACCIDENTAL CONTACT

Eyes: IRRITANT. MAY CAUSE CORNEA DAMAGE.
Skin: NONE
Inhalation: NOT A SUSPECTED ROUTE OF ENTRY.
Swallowing: HEADACHE, NAUSEA, DIZZINESS AND VOMITING MAY BE SYMPTOMATIC.
Carcinogenicity: THIS PRODUCT IS NOT A SUSPECTED CARCINOGEN BASED ON COMPONENT DATA.

SECTION VII: EMERGENCY FIRST AID PROCEDURES

Eyes: FLUSH WITH COOL WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL HELP.
Skin: RINSE WITH WATER.
Inhalation: NOT A SUSPECTED ROUTE OF ENTRY.
Swallowing: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL HELP.

SECTION VIII: PERSONAL PROTECTION INFORMATION

Protective Equipment: IT IS RECOMMENDED TO WEAR RUBBER GLOVES AND PROTECTIVE EYEWEAR WHEN USING THIS OR ANY CHEMICAL CLEANING PRODUCT.

SECTION IX: SPILL OR LEAK PROCEDURES

If Spilled or Released: MOP UP OR USE ABSORBENT SWEEPING COMPOUND. PROPERLY CONTAIN WASTE.
Waste Disposal Method: DISPOSAL SHOULD BE IN ACCORDANCE WITH STATE AND FEDERAL WASTE DISPOSAL LAWS.

SECTION X: STORAGE AND HANDLING INFORMATION

STORE IN ORIGINAL CLOSED CONTAINER IN COOL AREA OUT OF DIRECT SUNLIGHT. PROTECT FROM FREEZING. KEEP OUT OF REACH OF CHILDREN.

SECTION XI: D.O.T. HAZARD CLASS AND SHIPPING NAME

Hazard Class: NONE
Proper Shipping Name: NOT REGULATED.