

**MATERIAL SAFETY DATA SHEET**

Date Prepared: 02-11-03 By Charles D. Werner

<b>SECTION 1 – PRODUCT INFORMATION</b>			
Manufactured For: Fortech Products by Formula Corporation		Emergency Phone No: 1-800-228-5635 ext. 059	
Address: 7901 2 <sup>nd</sup> Ave S., Seattle, WA 98108			
Trade Name: 25 GRAND		Product Type: Water based floor finish	
Product Code: FLFMFFWX		Formula:	
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
* Diethylene Glycol Monoethyl Ether	111-90-0	4	NE
Acrylic Polymers LD <sub>50</sub> (oral-rat) > 5,000 mg/kg, LD <sub>50</sub> (skin-rab) > 5,000 mg/kg		20 – 40	NE
Wax emulsions		< 10	NE
Tributoxyethyl Phosphate LD <sub>50</sub> (oral-rat) 500-5000 mg/kg (rat), LD <sub>50</sub> (skin-rab) >10 g/kg	78-51-3	1-2	NE
<b>* Indicates toxic chemical subject to the reporting requirements of section 313 of title III and of 40 CFR 372</b>			
<b>SECTION 3 – PHYSICAL DATA</b>			
Boiling Point: (F) approx. 212 F (100 C) Freeze Point 32 F (0 C)	Specific Gravity: (H2O = 1.0) 1.0	pH: 8.5 -9.0	
Vapor Pressure: (mm/Hg) 18 mm/Hg	Vapor Density: Heavier than air		
Solubility In Water: Completely miscible	Coefficient of water/oil: Not available		
Evaporation Rate (Vs ether) slower than ether			
Appearance and Odor: Milky white, non-viscous liquid, faint sweet ammonia odor.	Odor threshold: Not available		
<b>SECTION 4 – FIRE AND EXPLOSION HAZARD DATA</b>			
Flash Point (T.C.C.): NONE	Flammable Limits	Upper N/A	Lower N/A
Extinguishing Media: water Fog.			
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. Use Water spray to cool nearby containers and structures exposed to fire.			
Unusual Fire and Explosion Hazards: None.			
<b>SECTION 5 – REACTIVE DATA</b>			
Stability: Stable	Incompatibility: Strong oxidizers, acids.		
Hazardous Decomposition Products: May liberate carbon dioxide, and carbon monoxide			
<b>SECTION 6- HEALTH HAZARDS</b>			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV)		None Established	
Primary Routes of Exposure:	Eye - yes	Skin-Not Established	Oral-yes Inhalation-yes Other
<b>Signs and Symptoms of Over-exposure (Acute):</b> EYES: Vapors and mists may irritate the eyes. INHALATION: Undiluted vapors and mists may irritating to the nose, throat. Prolonged inhalation of higher concentrations may cause headaches. SKIN: No irritation is likely after brief contact, but may be irritating after prolonged contact.			
<b>Signs and Symptoms of Over-exposure (Chronic):</b> In animals, overexposure to Diethylene Glycol Monoethyl Ether has shown effects on the kidneys.			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible to effects.			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO OSHA - NO NONE			
<b>SECTION 7 – EMERGENCY AND FIRST AID PROCEDURES</b>			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention.			
Skin: Wash skin with soap and water. Remove contaminated clothing & shoes. Wash before reuse.			
Ingestion: If conscious, drink 2 glasses of water consult a physician immediately. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.			
Inhalation: Get to fresh air.			
<b>SECTION 8 – SPECIAL PROTECTION INFORMATION</b>			
Respiratory Protection: not normally required	Ventilation Requirements:	Adequate ventilation required. Mechanical required if necessary to maintain exposure below PEL.	
Protective Gloves: Wear resistant gloves if excessive exposure is anticipated.	Eye Protection: Not normally required. Recommended if used overhead or misting or spraying.		
Other Protective Clothing: Where gross eye and skin contact may occur use and wear appropriate protective clothing, including resistant clothing, rubber boots with pants on the outside, and rubber gloves.			
<b>SECTION 9 – SPILL OR LEAK PROCEDURES</b>			
Steps to be Taken if Released or Spilled: For small spills, sweep and contain. For large spills, shovel and sweep up and contain. Rinse with water.			
Waste Disposal Methods: The contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them.			
<b>SECTION 10 – STORAGE AND HANDLING INFORMATION</b>			
Precautions to be Taken in Handling and Storage: Store in a cool dry, well ventilated place away from incompatible materials. Keep container tightly closed when not in use. This product is non-hazardous for storage and transport according to DOT/TDG regulations.			