

MATERIAL SAFETY DATA SHEET

Date Prepared: 09-01-01 By Charles D. Werner

SECTION 1 – PRODUCT INFORMATION			
Manufactured For: Fortech Products by Formula Corporation		Emergency Phone No: 1-800-228-5635 ext. 059	
Address: 7901 2 nd Ave S., Seattle, WA 98108			
Trade Name: ENDURANCE		Product Type: Water based floor finish	
Product Code: FLFENDXX		Formula:	
SECTION 2 – HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
* Diethylene Glycol Monoethyl Ether	111-90-0	< 10	NE
Acrylic Copolymers LD50 (oral-rat) >5,000 mg/kg, LD50(skin-rab) < 5,000 mg/kg		30 – 50	NE
Wax emulsions		< 10	NE
Tributoxyethyl Phosphate LD ₅₀ (oral-rat) 500-5000 mg/kg (rat), LD50 (skin-rab) >10 g/kg	78-51-3	< 2	NE
* Indicates toxic chemical subject to the reporting requirements of section 313 of title III and of 40 CFR 372			
SECTION 3 – PHYSICAL DATA			
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	
SECTION 4 – FIRE AND EXPLOSION HAZARD DATA			
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.			
SECTION 5 – REACTIVE DATA			
Stability: Stable		Incompatibility: Strong oxidizers, acids.	
Hazardous Decomposition Products: May liberate carbon dioxide, and carbon monoxide			
SECTION 6- HEALTH HAZARDS			
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
Signs and Symptoms of Over-exposure (Acute): 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.			
Signs and Symptoms of Over-exposure (Chronic): 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
SECTION 7 – EMERGENCY AND FIRST AID PROCEDURES			
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.			
SECTION 8 – SPECIAL PROTECTION INFORMATION			
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.			
SECTION 9 – SPILL OR LEAK PROCEDURES			
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.			
SECTION 10 – STORAGE AND HANDLING INFORMATION			
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.			