regulations.

MATERIAL SAFETY DATA SHEET

WHMIS STATUS: Controlled D2B	Date Prepared: 09-	01-01 By Charles D.	Werner (206) 762-700
SECTION 1 - PRODUCT IDENTIFICATION			
Manufacturer Name: Fortech Products by Formula Corporation	Emergency Phone No: 1-800-228-5635 ext. 059		
Address: 7901 2nd Ave S., Seattle, WA 98108			
Trade Name: WATER STAIN REMOVER	Product Type/Use: Ammonium Bifluoride stain remover		
PRODUCT CODE: FLCSRFXX	Formula:		
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV/PEL
Ammonium Hydrogen Fluoride LD 50 300 mg/kg Oral (Rat) LC 50 N/A	1341-49-7	8	25 PPM OSHA (Inhalation)
No chemicals subject to the reporting requirements of section 313 of title III and of 40	CFR 372 are present		
SECTION 3 - PHYSICAL DATA			
Boiling Point: (F) approx. 212 F (100 C) Freezing Point 32 F (0 C)	Specific Gravity: (H2O = 1.0) 1.05 pH: 2.0-4.0		
Vapor Pressure: (mm/Hg) 18		Heavier than air	
Solubility In Water: Completely miscible Coefficient of water/oil: Not a	vailable	2	
Evaporation Rate (Vs ether) slower than ether	NT 11 11		
Appearance and Odor: Water white, non-viscous liquid, faint odor. Odor threshold:	Not available		
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE Flammable Limits Upper N/A Lower ?	I/A		
Extinguishing Media: water Fog.	1.6.11	Y7 YY7	
Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus a	nd full protective clothin	ig. Use Water spray to	cool nearby containers
and structures exposed to fire. Unusual Fire and Explosion Hazards: Not a fire or explosion hazard. However, toxic and or explosion hazard.	corrosive fluoride compo	unds may be released	in a fire situation
1	corrosive maoriae compe	dilds may be released	in a fire situation.
SECTION 5 - REACTIVE DATA			
Stability: Stable Incompatibility: Strong acids, alkali's, chlorine, cyanides, sulfides. Hazardous Decomposition Products: May liberate hydrogen fluoride, ammonia and sulfur oxide	a Will form hydrofluor	io acid on contact with	atrona soider ammonia
on contact with alkali's.	s. will form hydrofiuor	ic acid oir contact with	strong acids, ammonia
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV/PEL) None Est	iblished Inhalation-y		ther
Primary Routes of Exposure: Eye - yes Skin-Not Established Oral-yes Signs and Symptoms of Over-exposure (Acute): EYES: Vapors and mists causes burns to the			
the nose, throat, and mucous membranes. Irritation, coughing, chest pain, and breathing difficu	Ity may occur with brief	exposure while prolon	ged exposure will result
in more severe irritation. SKIN: Redness, drying of skin or other signs of irritation and fluorid	e-like burns which may	not be immediately evi	dent.
Signs and Symptoms of Over-exposure (Chronic): Exposure to FLUORIDES over years may			ones, and increased
calcification of ligaments and vertebrae re			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye			
Carcinogen or Suspect Carcinogen Ingredients: NTP - NO IARC - NO	OSHA - NO) N	ONE
SECTION 7 - EMERGENCY AND FIRST AID PROCEDUR			
Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids		ATTENTION IMMED	DIATELY.
Skin: Flush with water for at least 15 minutes. Remove contaminated clothing & shoes. Wash		CAL ATTENTION IN	MEDIATELY Tour
Ingestion: If conscious, drink 1 to 8 glasses of water or milk to dilute. DO NOT INDUCE VC symptomatically. Don not give anything by mouth to an unconscious or convulsing person.	MITING. GET MEDIC	LAL ATTENTION IM	MEDIATELT. Treat
Inhalation: Get to fresh air. Give artificial respiration-if not breathing.			
SECTION 8 - SPECIAL PROTECTION INFORMATION			
	A dequate ventilation re	ouized Machanical r	aguired if pagessary to
Respiratory Protection: not normally required Ventilation Requirements: Adequate ventilation required. Mechanical required if necessary to maintain exposure below TLV/PEL.			
Protective Gloves: Wearing resistant gloves is required. Eye Protection: Recommended			ving.
Other Protective Clothing: Where gross eye and skin contact may occur use and wear appropriate			
pants on the outside, and rubber gloves.	,		
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, dilute with water and rinse down sani and carefully neutralize with lime or sodium carbonate. When neutralized, rinse with water into		ills, contain by diking	with absorbent material
Waste Disposal Methods: Note that the contaminates of the product must be considered when dis-		priate Federal, State an	nd Local regulatory
agencies to ascertain proper disposal procedures and comply with them.	NT .		
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. Other Precautions: Empty containers will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. When			
mixing with water, always add this product slowly to water and stir. This product is a class 8 CORROSIVE for transportation and storage according to DOT			
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