

MATERIAL SAFETY DATA SHEET

Date Prepared: 10-07-05 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION

Manufacturer Name: Fortech Products by Formula Corporation	Emergency Phone No: 1-800-228-5635 ext. 059
Address: 4432 C Street NE Auburn, WA 98002	
Trade Name: ACTUATE	Product Type: Powdered Machine Dishwashing Detergent
PRODUCT CODE: FPKACTWX	Formula:

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name:	CAS NO.	PERCENT	TLV (Source)
Sodium Dichloro-S-Triazonetrione Dihydrate LD ₅₀ (oral-rat) 620 mg/kg, LD ₅₀ (skin-rab) 11,000 mg/kg	51580-86-0	30	3 PPM OSHA
Sodium Tripolyphosphate LD ₅₀ (oral-rat) 4,100 mg/kg,	7758-29-4	20 - 40	
Sodium Metasilicate LD ₅₀ (oral-rat) 600 mg/kg	6834-92-0	20 - 40	

NOTE: ACGIH - TLV-TWA for nuisance dust is 10 mg/cu m total dust or 5 mg/cu m respirable dust.

No toxic 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) N/A	Specific Gravity: (H ₂ O = 1.0) N/A	pH:(1.0% soln) 12.0- 12.5
Vapor Pressure: (mm/Hg) N/A	Vapor Density: N/A	
Solubility In Water: Complete		
Evaporation Rate (Vs ether) N/A		
Appearance and Odor: Crystalline solid, powder, or granules.		

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: NONE	

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: Dusts will irritate the eye and may cause burns. Prolonged contact can cause severe burns and possible blindness. INHALATION: Dusts are irritating to the entire respiratory tract and can cause burns. SKIN: Contact will irritate the skin and may cause burns. Severe scarring of the throat may occur. INGESTION: Swallowing this material causes severe burns to the mouth throat and stomach. Death may result. PRODUCT IS ALKALINE - USE CAUTION - CAN BURN EYES AND SKIN..				
Signs and Symptoms of Over-exposure (Chronic): Contact may aggravate existing skin disorders.				
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 water. PRODUCT IS ALKALINE. Continue to rinse until skin is no longer slippery. Remove contaminated clothing & shoes. Wash before reuse.
Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center 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: Wear dusts mask to keep from breathing dusts.
Ventilation Requirements: Adequate ventilation required. Mechanical required if necessary to maintain exposure below PEL.
Protective Gloves: Wearing resistant gloves is required.
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: Note that 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..
