

# PHOSPHATE FREE MERIT# 813

## MATERIAL SAFETY DATA SHEET

Date Prepared: 09-01-01 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:	7901 2nd Ave S., Seattle, WA 98108		
Trade Name:	PHOSPHATE FREE MERIT	Product Type:	Powdered Laundry Detergent
PRODUCT CODE:	FPLPFMWL	Formula:	

### SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Sodium Percarbonate LD <sub>50</sub> (oral-rat) 1,034 mg/kg, LD <sub>50</sub> (skin-rab) >2,000 mg/kg	15630-89-4	< 5	
Anionic / Nonionic Surfactant Blend LD <sub>50</sub> (oral-rat) > 3,000 mg/kg	mixture	5 - 10	
Sodium Carbonate LD <sub>50</sub> (oral-rat) 5,600 mg/kg	497-19-8	20 - 30	
Sodium Metasilicate LD <sub>50</sub> (oral-rat) 600 mg/kg	6834-92-0	5 - 10	

NOTE: ACGIH - TLV-TWA for nuisance dust is 10 mg/cu meter 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 <sub>2</sub> O = 1.0)	N/A	pH: N/A
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:	This material is not combustible. Use extinguishing media appropriate for surrounding fire.			
Special Fire Fighting Procedures:	None May be come slippery when wet.			
Unusual Fire and Explosion Hazards:	none reported			

### SECTION 5 - REACTIVE DATA

Stability:	Stable	Incompatibility:	Strong oxidizers, strong acids.	
Hazardous Decomposition Products:	At temperatures above 400F toxic gases are liberated.			

### 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 may irritate eye. INHALATION: Dusts are harmful to the entire respiratory contact.				
SKIN:	Prolonged contact may irritate the skin and may cause irritant dermatitis.				
Signs and Symptoms of Over-exposure (Chronic):	The effects of long term, low level exposure to this product have not been determined. Safe handling of this material on a long term basis should emphasize the avoidance of all effects from repetitive acute exposure.				
Medical Conditions Aggravated by Over-exposure:	None reported.				
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:	Flush skin with water. 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:	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.		
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.					
This product is non Hazardous according to DOT regulations.					