

## MATERIAL SAFETY DATA SHEET

Date Prepared: 9-21-97 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: NUTRA SOUR	Product Type: Powdered Laundry Sour
PRODUCT CODE: FPLNUSWX	Formula:

**SECTION 2 - HAZARDOUS INGREDIENTS**

Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Sodium Silicofluoride	16893-85-9	50	2.5 PPM OSHA
Sodium Hydrogen Fluoride	1333-83-1	50	2.5 PPM OSHA

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

This product may contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

**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: 20%		
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 material.

Special Fire Fighting Procedures: Do not use water to fight a nearby fire since in the presence of water this product will react with some metals to liberate hydrogen, a flammable gas. Fire fighters should wear self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: At temperatures over 212F material decomposes to sodium fluoride and poisonous and corrosive hydrogen fluoride.

**SECTION 5 - REACTIVE DATA**

Stability: Stable Incompatibility: Alkalis, Silica, acids, metals such as aluminum and silica based metals.

Hazardous Decomposition Products: May liberate sodium fluoride and hydrogen fluoride, hydrogen gas, or silicon tetrafluoride

**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 are extremely corrosive to the eyes. INHALATION: Dusts are extremely corrosive to the entire respiratory tract. SKIN: contact will irritate the skin and ulceration especially under the fingernails. INGESTION: This product is extremely corrosive and poisonous and if swallowed may cause death.

Signs and Symptoms of Over-exposure (Chronic): No specific information available.

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 &amp; shoes. Wash before reuse.

Ingestion: DO NOT INDUCE VOMITING If conscious, IMMEDIATELY INDUCE VOMITING BY GIVING W GLASSES OF WATER, OR AN EMETIC (LIKE SOAPY WATER), AND STICKING A FINGER DOWN THE THROAT. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING TO AN UNCONSCIOUS PERSON. Keep victims head below his hips to prevent his breathing vomitus into his lungs. Call physician or poison control center immediately. Treat symptomatically.

Inhalation: Get to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

**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, long-sleeved shirt, trousers and rubber apron. Eye Protection: REQUIRED -- Chemical goggles unless a full faceshield is used., It is generally recognized that contact lenses should not be worn when working with chemicals because contact lenses may contribute to the severity of an eye injury.

Other Protective Clothing: Eyewash and safety shower should be nearby and ready for use.

**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.