

WALTER E. NELSON COMPANY

LAUNDRY SOUR

WENCO Brand
CLEANING SYSTEMS

Description:

LAUNDRY SOUR is a highly effective souring agent for alkali neutralizing. A balanced blend of bifluoride provides for superior rust & stain removal. Ideal for use in areas with high iron levels. Use to prevent graying, rust removal, stain removal and reduce rejects.

Use Directions:

1. **LAUNDRY SOUR** should be added to the washwheel at a low water level for economical performance.
2. The souring step should be done in cool to warm water 90°F - 110°F.
3. Titrate 1 quart of wash water with **LAUNDRY SOUR**. The number of mls used is equal to the number of ounces needed to neutralize 10 gallons of washwater.
4. Use this product only in commercial washer with stainless steel equipment.

DO NOT use in household type washing machines.

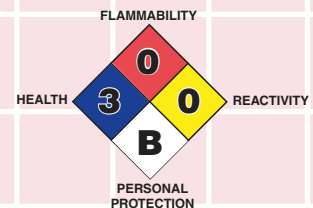
Available Packages:

- ✓ **5 Gallon Pail**
- ✓ **15 Gallon Drum**



TECHNICAL DATA

pH Conc:	4.0 - 5.0
Form:	Liquid
Color:	Water White
Specific Gravity:	1.02
Density:	8.46 lbs/gal
Viscosity:	Water Thin
Foam:	None
Chlorine:	-0-
Solvents:	None



Walter E. Nelson Co. Corporate
Portland, OR 97217
(503) 285-3037

Coastal Paper & Supply
North Bend, OR 97459
(541) 756-6770

Crown Paper & Janitorial Supply
Walla Walla, WA 99362
(509) 529-4561

Walter E. Nelson Seattle Branch
Kirkland, WA 98034
(425) 814-2665

Walter E. Nelson Eugene Branch
Eugene, OR 97402
(541) 344-0651

Astoria Janitor & Paper Supply Co.
Astoria, OR 97103
(503) 325-6362

Barco Supply
Klamath Falls, OR 97601
(541) 884-9064 - (800) 642-2571

Juniper Paper & Supply
Bend, OR 97702
(541) 312-4070

Walter E. Nelson Spokane Branch
Spokane, WA 99202
(509) 755-0870

WALTER E. NELSON CO.

MATERIAL SAFETY DATA SHEET

LAUNDRY SOUR

Date Prepared: 05-27-02 By Charles D. Werner

SECTION 1 - PRODUCT IDENTIFICATION

Distributor Name: WALTER E. NELSON CO.	Emergency Phone No: 1-800-228-5635 ext. 059
Address: 5937 N. CUTTER CIRCLE, PORTLAND OR 97217	
Trade Name: LAUNDRY SOUR	Product Type: Ammonium Bifluoride LAUNDRY SOUR
PRODUCT CODE: FLLFSCXX	Formula:

SECTION 2 - HAZARDOUS INGREDIENTS

Chemical Name/Common Name:	CAS NO.	PERCENT (optional)	TLV (Source)
Ammonium Hydrogen Fluoride	1341-49-7	< 10	Unknown
No 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) approx. 212 F	Specific Gravity: (H ₂ O = 1.0) 1.05	pH: 4.0 - 5.0
Vapor Pressure: (mmHg) 18	Vapor Density: Heavier than air	
Solubility In Water: Completely miscible		
Evaporation Rate (Vs ether) slower than ether		

Appearance and Odor: Water white, non-viscous liquid, faint odor.

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: Not a fire or explosion hazard. However, toxic and corrosive fluoride compounds may be released in a fire situation.		

SECTION 5 - REACTIVE DATA

Stability: Stable	Incompatibility: Strong acids, alkalies, chlorine, cyanides, sulfides.
Hazardous Decomposition Products: May liberate hydrogen fluoride, ammonia and sulfur oxides. Will form hydrofluoric acid on contact with strong acids; ammonia on contact with alkalies.	

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-no Other
Signs and Symptoms of Over-exposure (Acute): EYES: Vapors and mists causes burns to the eyes. INHALATION: Undiluted vapors and mists are corrosive to the nose, throat, and mucous membranes. Irritation, coughing, chest pain, and breathing difficulty may occur with brief exposure while prolonged exposure will result in more severe irritation. SKIN: Redness, drying of skin or other signs of irritation and fluoride-like burns which may not be immediately evident.	
Signs and Symptoms of Over-exposure (Chronic): Exposure to FLUORIDES over years may produce embrittlement and decalcification of bones, and increased calcification of ligaments and vertebrae resulting in spinal stiffness (fluorosis).	
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, eye problems, impaired respiratory function may more susceptible.	
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 IMMEDIATELY.
Skin: Flush with water for at least 15 minutes. Remove contaminated clothing & shoes. Wash before reuse.
Ingestion: If conscious, drink 1 to 8 glasses of water or milk to dilute. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY. Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person.
Inhalation: Get to fresh air. Give artificial respiration if not breathing.

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: 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, dilute with water and rinse down sanitary sewer. For large spills, contain by diking with absorbent material and carefully neutralize with lime or sodium carbonate. When neutralized, rinse with water into sanitary sewer system.
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.
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.