

WALTER E. NELSON COMPANY

H.D. BUILDER

WENCO Brand
CLEANING SYSTEMS

Description:

HD BUILDER is a high alkaline product designed to assist detergent systems to get whites and light colored fabrics clean.

- **HD BUILDER** contains chelating agents to "tie up" hard water and iron allowing the detergent to maximize performance.
- The high levels of active alkalinity penetrates linens for easier soil and stain removal.
- Rinses rapidly at lower temperatures.



Use Directions:

HD BUILDER is an extremely alkaline material and is for use only in injected systems. A trained technician is required to determine appropriate use quantities.

Water Temperature: This product is designed to be used a low, moderate and high wash temps ranging from 80°F to 160°F

Normal use concentrations: In a dispensing system the use concentration is recommended at 0.1% by weight of water in the wash tank.

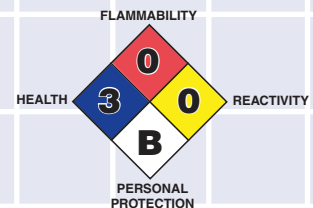
NOTE: Use this product only in commercial washer with stainless steel equipment. Do not use in household type washing machines.

Available Packages:

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

TECHNICAL DATA

Color:	Water Clear
Specific Gravity:	1.35
Density:	11.2 lbs/gal
pH Conc.:	13.7
pH (1% Solution):	13.0 - 13.5
Viscosity:	Thin
Phosphate:	< 1% P ₂ O ₅
Alkalinity:	20.2% Na ₂ O
Chlorine:	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

H.D. BUILDER

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: HD BUILDER	Product Type: Liquid Laundry Break		
Product Code: FLLHDBXX	Formula:		
SECTION 2 - HAZARDOUS INGREDIENTS			
Chemical Name/Common Name:	CAS NO.	PERCENT	TLV (Source)
Potassium Hydroxide	1310-58-3	< 25	2 MG/M3
Sodium Hydroxide	1310-73-2	< 15	2 MG/M3
This product contains NO chemicals subject to the reporting requirements of section 313 of Title III or 40 CFR 372			
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) 212	Specific Gravity: (H2O = 1.0) 1.34	pH: 13.5 - 14.0	
Vapor Pressure: (mmHg) Not Determined	Vapor Density: Heavier than air		
Solubility In Water: Complete			
Evaporation Rate (Vs ether) Slower			
Appearance and Odor: Liquid, non-viscous, non-descript fragrance			
SECTION 4 - FIRE AND EXPLOSION HAZARD DATA			
Flash Point (T.C.C.): NONE			
Extinguishing Media: This material is nonflammable and nonexplosive. Use extinguishing media appropriate for surrounding material.			
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: Extinguish all nearby sources of ignition sources flammable hydrogen gas will be liberated from contact with some metals.			
SECTION 5 - REACTIVE DATA			
Stability: Stable			
Incompatibility: Keep away from acids and strong oxidizers and soft metals like aluminum. Do Not contact with trichloroethylene since flammable chloroacetylene may spontaneously form.			
Hazardous Decomposition Products: Flammable hydrogen gas will be liberated on contact with aluminum.			
SECTION 6 - HEALTH HAZARDS			
Threshold Limit Value - Product (See Section 2 for Ingredient TLV): None Established			
Primary Routes of Exposure: Eye - yes Skin- yes Oral- yes Inhalation -yes Other			
Signs and Symptoms of Over-exposure (Acute): EYES: Vapors and mists are corrosive to the eye. Prolonged contact may cause permanent eye injury which may be followed by blindness. INHALATION: Undiluted vapors are corrosive to the mouth and throat. Prolonged exposure may result in more severe irritation and tissue damage. Inhalation of higher concentration may cause headaches, nausea, vomiting. SKIN: Brief contact with concentrate will irritate the skin, but this irritation is reversible. Prolonged exposure will burn the skin. INGESTION: Liquid and vapors are corrosive to the mouth and throat. Swallowing the liquid burns the tissues, and may cause severe abdominal pain, nausea, vomiting, collapse, or death.			
Chronic Health Hazards: Inhalation of vapors or mists may cause varying degree of damage to the affected tissues and also increasing susceptibility to respiratory illness. may result in areas of destruction of skin tissue or primary irritant dermatitis.			
Medical Conditions Aggravated by Over-exposure: Persons with pre-existing skin disorders, impaired respiratory function maybe 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 30 minutes holding eyelids open. Get medical attention immediately.			
Skin: Wash skin with water for 30 minutes. Flush with water until no longer slippery. Remove contaminated clothing & shoes. GET immediate medical attention. Destroy contaminated clothing.			
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 when using this product as directed.			
Ventilation Requirements: Adequate ventilation required to keep exposure under TLV.			
Protective Gloves: Required. the product is highly alkaline			
Eye Protection: Goggles are recommended if splashing might occur -- wearing contact lenses is not recommended while using this product. Face shield are required if used overhead or misting or spraying.			
SECTION 9 - SPILL OR LEAK PROCEDURES			
Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water into sanitary sewer system. Keep the product out of storm drains, surface waters and soil.			
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: Nothing special is required. Do not mix chemicals. This product is hazardous for storage and transport according DOT regulations. Keep container tightly closed when not in use. Treat empty containers as if they were full.			