

MATERIAL SAFETY DATA SHEET: LAUNDRY DETERGENT POWDER\NON-PHOSPHATE
CENTRAZ THRIFT PLUS MSDS# 201004TL
CENTRAZ INDUSTRIES, INC. 4051 BINGHAM AVENUE ST. LOUIS, MO 63116-3506
ORIGINAL DATE: 06/03/89 LATEST UPDATE: 7/26/00

MATERIAL SAFETY DATA SHEET
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PRODUCT IDENTIFICATION: MSDS CODE NUMBER: 201004TL
PRODUCT NAME: LAUNDRY DETERGENT POWDER \ NON-PHOSPHATE
TRADE NAMES Thrift Plus \ Various Private Labels
FORMULA: Proprietary ORIGINAL DATE: 6/03/89
CHEMICAL FAMILY: Alkaline\Laundry Detergent LATEST UPDATE: 07/26/00
S.A.R.A. INFORMATION: SARA 312 - SODIUM METASILICATE, Nonylphenol Ethoxylate,
HAZARDS: Fire: NA Pressure: N/A Reactivity: N/A Acute: N/A Chronic: N/A
PHYSICAL DATA: Mixture: Y Pure: Solids: Y Liquids: Gas:

SECTION I : HAZARDOUS INGREDIENTS

MATERIAL	% BY WEIGHT	CAS #	OSHA PEL \ ACGIH TLV
Sodium Carbonate	> 40	00497-19-8	Nuisance dust particulates
Sodium Metasilicate	> 15	006834-92-0	Nuisance dust particulates.
Nonylphenol Ethoxylate	> 10	9016-45-9	
Alkylbenzenesulfonic Acid	> 5	27176-87-0	

NUISANCE PARTICULATES:

PEL/TWA 8 Hr 15 mg/m3 Total Dust
PEL/TWA 8 Hr 5 mg/m3 Respirable Dust
TLV/TWA 8 Hr 10 mg/m3 Total Dust

SECTION II : HEALTH HAZARDS

TLV: See Section I for components.

EYES: Can cause severe irritation.

SKIN: Direct contact with product or its solutions may cause skin irritation and in severe cases skin burns. People who have a tendency to be allergic may react more readily to this product than most.

INHALATION: Airborne concentrations of dust/mist may cause nasal irritation.

INGESTION: Corrosive to tissue, causes immediate irritation and possible damage to the tissue of mouth, throat, esophagus or stomach. Can cause perforation of the esophagus or stomach. Ingestion of large amounts may cause vomiting, diarrhea, circulatory collapse and in acute cases death.

SECTION III : FIRST AID

EYES: Flush eyes immediately and thoroughly for at least 15 minutes, lifting upper and lower lids periodically to ensure flushing of entire surface. Call a physician if irritation persists.

SKIN: Flush area immediately with water. Follow with washing of soap and water. Remove contaminated clothing and shoes, laundry clothing before reuse. If irritation persists, call a physician.

INHALATION: Remove person to fresh air\provide oxygen if breathing is difficult. Get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Give large quantities of water. Get medical attention, immediately. Do not attempt to neutralize with other chemicals.

SECTION IV : SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Under normal use conditions, none. Dust type respirator recommended where exposure exceeds PEL/TLV limitations.

VENTILATION REQUIRED: Local exhaust if mist, dust or spray may be generated.

PROTECTIVE CLOTHING: EYES: Chemical goggles or safety glasses if splashing or eye contact is likely. DO NOT wear contact lenses.

SKIN: Rubber gloves. Protective clothing to minimize skin contact.

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ADDITIONAL PROTECTIVE MEASURES: Running water, eye bath or safety shower.

SECTION V : FIRE & EXPLOSION HAZARD DATA

FLASH POINT\FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA \ SPECIAL FIRE FIGHTING PROCEDURES: As appropriate for surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contact of water spray with product can cause frothing, can cause slippery surfaces. Eye and skin protection should be worn to protect against this highly alkaline product.

SECTION VI : PHYSICAL DATA

SPECIFIC GRAVITY: N/A

BOILING POINT: N/A

POUNDS PER GALLON: N/A

VAPOR PRESSURE (MM HG): N/A

VAPOR DENSITY (Air=1): Unknown

EVAPORATION RATE: N/A

% VOLATILE BY VOLUME: N/A

SOLUBILITY IN WATER: Complete

pH: 10 +/- .5 (1% Solution)

APPEARANCE AND ODOR: White free flowing powder/Lemon

SECTION VII : REACTIVITY DATA

PRODUCT IS: STABLE

CONDITION TO AVOID\INCOMPATIBILITY: Keep containers close to avoid caking. DO NOT mix with acids.

HAZARDOUS DECOMPOSITION PRODUCTS \ HAZARDOUS POLYMERIZATION: N/A

SECTION VIII : SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Sweep or shovel spilled material into marked containers for recovery or disposal. Neutralize spill area with dilute acid solution and flush with plenty of water. Before flushing residue and/or product into local sewer system, check pH of acceptable effluent water in accordance with local water treatment plant.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

SECTION IX : SHIPPING INFORMATION:

PROPER SHIPPING NAME: LAUNDRY DETERGENT CLEANING COMPOUND

HAZARD CLASS: None I.D. #: None DOT LABEL REQUIRED: None

SECTION X : STORAGE AND HANDLING

KEEP OUT OF REACH OF CHILDREN. Keep containers closed when not in use. Do not store in food areas. Use according to label directions. Avoid prolonged contact with eyes and skin. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

Add to water before adding clothes.

BASIC COMPONENTS OF LAUNDRY DETERGENT POWDER:

Sodium Metasilicate, Sodium carbonate, Soil anti-redeposition agent, Optical Brightener, surfactants, inorganic salts as processing agent, and fragrance (optional).

NOTES TO PHYSICIAN: None

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data relevant to your particular use.

REGULATORY AFFAIRS: (800) 695-7627 PREPARED BY: REGULATORY AFFAIRS

This supersedes any and all Material Safety Data Sheets issued prior to 7/26/00. Please update your files with this most current sheet.