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FOR CHEMICAL EMERGENCYInvolving Shipping and Handling Spills, Leak, Fire, Exposure or Accident
Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

Section 1 - Product Identification

Product Name: LFD® Powder Detergent, all sizes

Product ID: 2201X, 24011

Section 2 - Composition/Information on Ingredients**CHEMICAL NAME**

Sodium Carbonate Anhydrous

CAS REG. #

497-19-8

Benzenesulfonic Acid

90194-45-9

Xylenesulfonic Acid

1300-72-7

Tetrasodium Pyrophosphate

7722-88-5

Sodium Sesquicarbonate

533-96-0

*Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percent of composition are proprietary to National Chemicals, Inc.***Section 3 - Hazards Identification****EMERGENCY OVERVIEW:** WARNING! Irritating to the eyes and continuous contact may irritate the skin. Product is non-combustible. Reacts with acid to release carbon dioxide gas and heat. Not expected to be toxic to the environment, nor to aquatic organisms.**POTENTIAL HEALTH EFFECTS:** Direct contact with the product causes irritation of the eyes and continuous contact may cause skin irritation (red, dry, cracked skin). Excessive levels of airborne dust may irritate the mucous membranes and upper respiratory tract.**Section 4 - First Aid Measures****EYES:** Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.**SKIN:** Wash with soap and water. Get medical attention if irritation occurs and persists.**INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. If breathing is difficult, give oxygen.**INGESTION:** Never give anything by mouth to an unconscious or convulsive person. If swallowed, do not induce vomiting. Give large amounts of water. If vomiting occurs spontaneously, keep airway clear. Give more water when vomiting stops.**Section 5 - Fire Fighting Measures****FLAMMABLE LIMITS:** Not flammable**FIRE AND EXPLOSION HAZARDS:** Non-combustible**EXTINGUISHING MEDIA:** Use extinguishing agents appropriate for surrounding fire**HAZARDOUS COMBUSTION PRODUCTS:** Fumes of sodium oxide.**Section 6 - Accidental Release Measures**

Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Small amounts of residue may be flushed to sewer with plenty of water.

Section 7 - Handling and Storage**HANDLING:** Avoid contact with eyes. Wash thoroughly after handling. When mixing, slowly add chemical to water. Never add water to chemical.**STORAGE:** Keep container tightly closed and properly labeled. Store in cool, dry area, away from acids.**Section 8 - Exposure Controls / Personal Protection****VENTILATION:** Provide respiratory protection when excessive dust may be generated.**SKIN:** Wear appropriate protective clothing to prevent skin exposure.**EYE PROTECTION:** Wear safety glasses with side shields if direct exposure is possible.**Section 9 - Physical and Chemical Properties****APPEARANCE:** white, granular solid**ODOR:** odorless**BOILING POINT:** decomposes**WATER SOLUBILITY:** soluble**FLASH POINT:** non-combustible**EVAPORATION RATE:** no data available

Section 10 - Stability and Reactivity

STABILITY: Stable

CONDITIONS TO AVOID: Contact with acids except under controlled conditions.

INCOMPATIBLE MATERIALS: Aluminum powder, acids, fluorine, molten lithium. Reacts with acids with release of large volumes of carbon dioxide gas and heat.

HAZARDOUS DECOMPOSITION: Heated to decomposition, it emits fumes of sodium oxide.

POLYMERIZATION: Will not occur

Section 11 - Toxicological Information

When in solution, this material may affect all tissues with which it comes in contact. The severity of the tissue damage is a function of concentration, the length of tissue contact time, and local tissue conditions. After exposure there may be a time delay before irritation and other effects occur.

CARCINOGENICITY: NTP: NOT LISTED IARC: NOT LISTED OSHA: NOT LISTED OTHER: (ACGIH) NOT LISTED

Section 12 - Ecological Information

ECOTOXICITY: This product is expected to be moderately toxic to aquatic organisms.

CHEMICAL FATE: Biodegradability does not apply to inorganic substances. No significant toxicity to aquatic organisms is expected.

Section 13 - Disposal Method

Reuse or reprocess if possible. Flush spill with plenty of water before disposal. Dispose in accordance with all applicable regulations.

Section 14 - Transportation Information

Not classified as hazardous according to Department of Transportation.

Section 15 - Regulatory Information

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355, APPENDIX A): not listed

SECTION 311 HAZARD CATEGORIES (40 CFR 370): Immediate (Acute) Health Hazard

SECTION 312 THRESHOLD PLANNING QUANTITY (40 CFR 370): not listed

SECTION 313 HAZARD REPORTABLE INGREDIENTS (40 CFR 370): not listed

CERCLA DESIGNATION AND REPORTABLE QUANTITIES (RQ) (40 CFR 302.4): not listed

TSCA INVENTORY STATUS (40 CFR 710): Sodium Carbonate, Benzenesulfonic Acid, Xylenesulfonic Acid, Tetrasodium Pyrophosphate and Sodium Sesquicarbonate are listed

Section 16 - Other Information

SUPERSEDES DATE: June 30, 2009

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.