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**FOR CHEMICAL EMERGENCY**  
Involving 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: TDC® Powder Detergent, all sizes

Product ID: 2200X, 24001

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

CHEMICAL NAME	CAS REG. #
Sodium Carbonate Anhydrous	497-19-8
Sodium Tripolyphosphate	7758-29-4
Tetrasodium Pyrophosphate	7722-88-5
Sodium Dodecylbenzene Sulfonate	246-680-4

*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 - Hazardous Identification**

**EMERGENCY OVERVIEW:** White, odorless, granular solid. Product is non-combustible. Reacts with acid to release carbon dioxide gas and heat. Irritating to the eyes and continuous contact may irritate the skin. 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 with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. See a medical doctor or ophthalmologist as necessary.

**SKIN:** Wash with plenty of soap and water. Get medical attention if irritation occurs and persists.

**INGESTION:** Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. See a medical doctor immediately.

**INHALATION:** Remove to fresh air. If breathing difficultly or discomfort occurs and persists, obtain medical attention.

**NOTES TO MEDICAL DOCTOR:** While internal toxicity is low, irritant effects of high concentrations may produce corneal opacities and vesicular skin reactions in humans with abraded skin only. Treatment is symptomatic and supportive.

**Section 5 - Fire Fighting Measures**

**EXTINGUISHING MEDIA:** Water, water fog, carbon dioxide (CO<sub>2</sub>), dry chemical

**FIRE/EXPLOSION HAZARDS:** not applicable

**FIRE FIGHTING PROCEDURES:** Wear full protective clothing and self-contained breathing apparatus.

**FLAMMABLE LIMITS:** not applicable

**HAZARDOUS COMBUSTION PRODUCTS:** Fumes of sodium oxide.

**Section 9 - Accidental Release Measures**

**CLEAN UP:** This product, if spilled, can be recovered and re-used if contamination does not present a problem. Vacuum or sweep up the material.

**NOTIFICATION REQUIREMENTS:** Federal regulations do not require notification for spills of this product. State and local regulations may contain different requirements; consult local authorities.

**Section 7 - Handling and Storage**

**HANDLING:** Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep material out of lakes, streams, ponds and sewer drains.

**STORAGE:** Store in cool, dry area, away from acids.

**Section 8 - Exposure Controls / Personal Protection**

**EYES AND FACE:** Appropriate eye and face protection equipment should be selected for the particular use intended for this material.

**RESPIRATORY:** Whenever dust is in the worker's breathing zone cannot be controlled with ventilation or other engineering means, workers should wear approved respirators or dust masks to protect them against airborne dust.

**PROTECTIVE CLOTHING:** Dry product is generally non-irritating to intact skin. However, this product can be irritating where skin has been damaged and can create skin irritation after long exposures when moisture is present. Under such conditions, gloves and long-sleeved clothing are recommended to minimize skin contact.

**Section 9 - Physical and Chemical Properties**

ODOR:	Odorless	APPEARANCE:	White, granular solid
AUTO-IGNITION TEMPERATURE:	not applicable	BOILING POINT:	Decomposes
COEFFICIENT OF OIL/WATER:	not applicable	EVAPORATION RATE:	not applicable
FLASH POINT:	Non-combustible	ODOR THRESHOLD:	not applicable
PERCENT VOLATILE:	not applicable	EVAPORATION RATE:	not applicable
SOLUBILITY IN WATER:	soluble		

**Section 10 - Stability and Reactivity**

CONDITIONS TO AVOID:	Contact with acids except under controlled conditions.
STABILITY:	Stable
POLYMERIZATION:	Will not occur
INCOMPATIBLE MATERIALS:	Reacts with acids with release of large volumes of carbon dioxide gas and heat.
HAZARDOUS DECOMPOSITION PRODUCTS:	Heated to decomposition, it emits fumes of sodium oxide.
MATERIALS TO AVOID:	Aluminum powder, acids, fluorine, molten lithium

**Section 11 - Toxicological Information**

EYE EFFECTS:	Severe irritant
SKIN EFFECTS:	Non-irritating to intact skin. Minor irritation may occur on abraded skin. (Toxicol. Appl. Pharmacol. 31:481 (1975))
DERMAL LD50:	No data available for the product.
ORAL LD50:	Harmful if swallowed.
TARGET ORGANS:	Eyes.
ACUTE EFFECTS FROM OVEREXPOSURE:	May cause severe irritation of the eyes, including corneal opacities. Dusts and mists may be irritating to the skin, mucous membranes and upper respiratory tract. No significant acute toxicological effects expected.
CHRONIC EFFECTS FROM OVEREXPOSURE:	No data available for the product.
EYES:	Immediately flush with cool, running water for at least 15 minutes.
SKIN:	Immediately wash skin and clothing with soap and water.
INHALATION:	Remove to fresh air. If breathing is difficult, get medical attention.
INGESTION:	Rinse mouth at once; give vinegar or juice of lemon, orange or grapefruit. Do not induce vomiting.
CARCINOGENICITY:	NTP: not listed      IARC: not listed      OSHA: not listed      other: (ACGIH) not listed

**Section 12 - Ecological Information**

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

**Section 13 - Disposal Method**

DISPOSAL METHOD: As purchased, this product is not a listed hazardous waste according to US Federal RCRA regulations (40 CFR 261). Any processing, usage, alteration, chemical additions to, or contamination of, the product may alter the disposal requirements.

**Section 14 - Transportation Information**

US DEPARTMENT OF TRANSPORTATION (DOT):	not regulated
INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG):	not regulated

**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 (COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT)	
CERCLA DESIGNATION AND REPORTABLE QUANTITIES (RQ) (40 CFR 302.4):	not listed
TSCA (TOXIC SUBSTANCE CONTROL ACT)	
TSCA INVENTORY STATUS (40 CFR 710):	some ingredients listed

**Section 16 - Other Information**

SUPERCEDES DATE:	January 1, 2005
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*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.*