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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® Detergent, all sizes

Product ID: 2100X

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

Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched

CAS REG. #

127087-87-0

Poly(ethylene oxide)

25322-68-3

Dinonylphenyl polyoxyethylene

9014-93-1

*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:** WARNING! Causes eye irritation. Harmful if inhaled. May be harmful if absorbed through skin. May be harmful if swallowed.**EYE CONTACT:** May cause severe eye irritation. May cause severe corneal injury.**SKIN CONTACT:** Prolonged contact may cause slight skin irritation with local redness.**INHALATION:** Prolonged excessive exposure may cause serious adverse effects, even death. Vapor may cause irritation of the upper respiratory tract (nose and throat). Mist may cause irritation of upper respiratory tract (nose and throat).**INGESTION:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury. Aspiration into the lungs may occur during ingestion or vomiting, causing lung damage or even death due to chemical pneumonia.**Section 4 - First Aid Measures****EYES:** Immediately flush with water for at least 15 minutes, lifting the upper and lower eyelids intermittently. Get medical attention immediately.**SKIN:** Immediately flush skin with plenty of water. Remove contaminated clothing.**INGESTION:** Rinse mouth and then drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration; If breathing is difficult, oxygen should be administered by qualified personnel. Get medical attention immediately.**NOTES TO PHYSICIAN:** Maintain adequate ventilation and oxygenation of the patient. Respiratory symptoms, including pulmonary edema, may be delayed. Persons receiving significant exposure should be observed 24-48 hours for signs of respiratory distress. The decision of whether to induce vomiting or not should be made by a physician. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.**Section 5 - Fire Fighting Measures****SUITABLE EXTINGUISHING MEDIA:** Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Do not use direct water stream. May spread fire. Alcohol resistant foams (ATC type) are preferred.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.**HAZARDOUS COMBUSTION PRODUCTS:** Carbon monoxide. Carbon dioxide.**Section 9 - Accidental Release Measures****PERSONAL PRECAUTIONS:** Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing.**ENVIRONMENTAL PRECAUTIONS:** This product is not regulated by RCRA. This product is not regulated by CERCLA (Superfund).**CLEANUP:** Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.**Section 7 - Handling and Storage**

Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Do not swallow. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation.

Section 8 - Exposure Controls / Personal Protection

EYE/FACE PROTECTION: Use chemical goggles.

SKIN PROTECTION: Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

HAND PROTECTION: Use gloves chemically resistant to this material.

VENTILATION: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

Section 9 - Physical and Chemical Properties

ODOR: odorless

COLOR: blue

FLASH POINT: 540°F

FREEZING POINT: -10° C

ODOR THRESHOLD: not applicable

SOLUBILITY: Easily soluble in cold water

PERCENT VOLATILE: not applicable

EVAPORATION RATE: not applicable

VAPOR DENSITY: not applicable

VAPOR PRESSURE: not applicable

Section 10 - Stability and Reactivity

STABILITY: Thermally stable at typical use temperatures.

CONDITIONS TO AVOID: Exposure to elevated temperatures can cause product to decompose.

INCOMPATIBLE MATERIALS: Avoid contact with: Strong acids. Strong bases. Strong oxidizers.

HAZARDOUS POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Decomposition products depend upon temperature, air supply and the presence of other materials.

Section 11 - Toxicological Information

Section 12 - Ecological Information

ECOTOXICITY: Material is moderately toxic to aquatic organisms on an acute basis.

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). Non-hazardous waste may be disposed of in a landfill in accordance with government regulations.

Section 14 - Transportation Information

DOT: Not regulated

IMDG: Not regulated

ICAO/IATA: Not regulated

Section 15 - Regulatory Information

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 TITLE III SECTIONS 311 AND 312:

IMMEDIATE (ACUTE) HEALTH HAZARD: Yes

DELAYED (CHRONIC) HEALTH HAZARD: Yes

FIRE HAZARD: No

REACTIVE HAZARD: No

SUDDEN RELEASE OF PRESSURE HAZARD: No

Section 16 - Other Information

NFPA RATING: Health: 3 Flammability: 1 Physical hazard: 0

SUPERCEDES DATE: January 1, 2005

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.