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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: Triple D Concrete Cleaner, all sizes

Product ID: 4105X

Section 2 - Composition/Information on Ingredients

CHEMICAL NAME (COMMON NAME)	CAS NO.
Ethylene glycol monobutyl ether	111-76-2
Sodium Hydroxide	1310-73-2
Tetrasodium ethylenediamine tetraacetate	64-02-8
Sodium silicate	1344-09-8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW: DANGER! Can cause burns to eyes, respiratory tract, skin, and gastrointestinal tract. Can cause permanent eye damage. Aspiration Hazard. Can enter lungs and cause damage.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Irritation (possibly severe), burns, permanent eye damage, blindness

SKIN CONTACT: Irritation (possibly severe), burns, dermatitis

INHALATION: Irritation (possibly severe), burns, pulmonary edema

INGESTION: Irritation (possibly severe), burns, nausea, vomiting

NFPA RATING: Health 3 Flammability 0 Reactivity 1 Special Hazard

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory system (including asthma and other breathing disorders)

PRECAUTIONARY STATEMENTS: Do not get in eyes, on skin, or on clothing. Do not breathe vapor or mist. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.

Section 4 - First Aid Measures

EYES: Wash immediately and continuously with flowing water for at least 30 minutes. Remove contact lenses after the first 5 minutes and continue washing. Get medical attention, preferably from an ophthalmologist.

SKIN: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

INGESTION: If swallowed, DO NOT induce vomiting. Get medical attention immediately. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Due to irritant properties, swallowing may result in burns/ulceration of mouth, stomach and lower gastrointestinal tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done. Chemical eye burns may require extended irrigation. Obtain prompt consultation, preferably from an ophthalmologist. If burn is present, treat as any thermal burn, after decontamination. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient. The absence of visible signs or symptoms of burns does NOT reliably exclude the presence of actual tissue damage. 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.

Section 5 - Fire Fighting Measures

EXTINGUISHING MEDIA: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam.

FIREFIGHTING EQUIPMENT/INSTRUCTIONS: Move container from fire area if it can be done without risk. Cool containers with water. Wear NIOSH approved positive-pressure self-contained breathing apparatus. Avoid contact with skin.

Section 6 - Accidental Release Measures

SPILLS: Contain spilled material. Reprocess or reuse if possible. Remaining material may be diluted with water. Flush spill area with water.

PERSONAL PRECAUTIONS: Evacuate area. Ventilate area of leak or spill. Only trained and properly protected personnel must be involved in clean-up operations. Use appropriate safety equipment.

ENVIRONMENTAL PRECAUTIONS: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater until diluted with water.

Section 7 - Handling and Storage

HANDLING: Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.

STORAGE: Store and handle in accordance with all current regulations and standards. Keep container tightly closed and properly labeled. Do not store in opened or unlabeled containers. Do not store in Zinc, Aluminum, Aluminum alloys, Carbon steel, Copper, Copper alloys, Galvanized containers or containers using aluminum fittings or transfer lines. Keep separated from incompatible substances.

OTHER PRECAUTIONS: Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Section 8 - Exposure Controls and Personal Protection

VENTILATION: Provide local exhaust ventilation where dust or mist may be generated.

EYE PROTECTION: Wear safety glasses with side shields. Wear chemical safety goggles with a face shield to protect against skin contact when appropriate. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

CLOTHING: Wear chemical resistant clothing and rubber boots when potential for contact with the material exists. Contaminated clothing should be removed, then discarded or laundered.

GLOVES: Wear appropriate chemical resistant gloves.

Section 9 - Physical and Chemical Properties

PHYSICAL STATE: Liquid

APPEARANCE: clear to opaque

ODOR: Odorless

COLOR: colorless to slightly colored

BOILING POINT: 230-291 F (110-144 C)

SOLUBILITY IN WATER: 100%

VOLATILITY: Not available

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

Section 10 - Stability and Reactivity

REACTIVITY: Stable at normal temperatures and pressure.

CONDITIONS TO AVOID: Mixing with acid or incompatible materials may cause splattering and release of large amounts of heat. Will react with some metals forming flammable hydrogen gas.

INCOMPATIBILITIES: Acids, halogenated compounds, prolonged contact with aluminum, brass, bronze, copper, lead, tin, zinc or other alkali sensitive metals or alloys.

POLYMERIZATION: Will not polymerize.

Section 11 - Toxicological Information

The severity of the tissue damage is a function of its 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. This material is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. This material may cause severe burns and permanent damage to any tissue with which it comes into contact. Inhalation will cause severe irritation, possible burns with pulmonary edema, which may lead to pneumonitis. Skin contact with this material may cause severe irritation and corrosion of tissue. Eye contact can cause severe irritation, corrosion with possible corneal damage and blindness. Ingestion may cause irritation, corrosion/ulceration, nausea, and vomiting. In general, chronic effects are due to long-term irritation. This material may cause dermatitis on the skin, or recurrent corneal ulceration and visual disturbances. In rare cases reports have noted long term inhalation causes bronchial inflammatory reaction or obstructive airway dysfunction.

Section 12 - Ecological Information

FISH TOXICITY: This material has exhibited mild toxicity to aquatic organisms.

BIODEGRADATION: This material is inorganic and not subject to biodegradation.

PERSISTENCE: This material is alkaline and may raise the pH of surface waters with low buffering capacity. This material is believed to exist in the disassociated state in the environment.

OTHER ECOLOGICAL INFORMATION: This material has exhibited slight toxicity to terrestrial organisms.

Section 13 - Disposal Considerations

Reuse or reprocess if possible. Disposed material is not a hazardous waste.

Section 14 - Transport Information

DOT UN Status: This material is not regulated hazardous material for transportation.

Section 15 - Regulations

CERCLA: No CERCLA Reportable Quantity has been established for this material.

SARA TITLE III: Not an Extremely Hazardous Substance under 302. Not a Toxic Chemical under 313.

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.