

MATERIAL SAFETY DATA SHEET

Supersedes: 05/21/01

Issue Date: 09/27/01

Issue Date: N/A

SECTION I - CHEMICAL PRODUCT		
Identity: 130010		
Brands: DCT Heavy Duty Degreaser		
Hazard Rating: 2	Health: 2	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2= MODERATE
		1=SLIGHT
Emergency Telephone Number: (800) 424-9300 (24-HR – CHEMTREC)		

SECTION II - COMPOSITION AND INGREDIENTS					
Ingredients/Chemical Name: Potassium hydroxide, Tetrapotassium diphosphate, Sodium tripolyphosphate, and other proprietary alkaline ingredients					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
Chemical Name	Common Name	CAS No.	Recommended Limits	Composition Range	LD50/LC50
Potassium Hydroxide	same	1310-58-3	ACGIH TWA: 2 mg/m3 OSHA PEL: 2 mg/m3	1 - 10	
Tetrapotassium Diphosphate	Same	7320-34-5		1 - 5	
Triphosphoric Acid, Pentasodium Salt	Sodium Tripolyphosphate	7758-29-4	ACGIH TWA: 5 mg/m3	1 – 5	
TS 1077- Trade Secret		NAV	ACGIH TWA: 10mg/m3 (total dust) / 5 mg/m3 (respirable dust) OSHA PEL: 15 mg/m3	1 – 5	
TS 1063 – Trade Secret		NAV	OSHA PEL: 1 ppm	1 – 5	
TS 1017 – Trade Secret		NAV	ACGIH TWA: 2 mg/m3	1 – 10	
TS 1012 – Trade Secret		NAV	ACGIH TWA: 2 mg/m3 C OSHA PEL: 2 mg/m3 C	1 - 5	

SECTION III - HAZARDS IDENTIFICATION

Health Hazards (Acute and Chronic):
 Ingestion: May cause mild gastrointestinal irritation if swallowed.
 Eye Contact: May cause temporary eye irritation upon direct contact.
 Inhalation: None Known
 Skin: May cause moderate to severe skin irritation upon prolonged, repeated exposures.

SECTION IV - FIRST AID INFORMATION

Emergency and First Aid Procedures:
 Ingestion: Drink large quantities of water or milk. Do not induce vomiting. Seek prompt medical attention.
 Eye Contact: Hold eyelids open and flush thoroughly with plenty of water for at least 15 minutes. Seek prompt medical attention.
 Skin: Wash skin thoroughly with soap and water. If irritation persists, or burns exist, seek prompt medical attention. If spilled on clothing, change clothes.
 Inhalation: For accidental, high level inhalation, remove to fresh air. Get medical attention if irritation persists.
Other: None

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used): none (PMCC) **Explosive Limits:** LEL: N/K UEL: N/K
Extinguishing Media: Use CO₂, water, or dry chemical.
Special Fire Fighting Procedures: Firefighters should wear structural firefighting gear and SCBA if exposed to vapors or products of combustion
Unusual Fire Hazards: None Known

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear personal protective equipment if prolonged exposure and/or splashing is likely.
Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.
Steps To Be Taken in Case Large Quantities of Material are Released or Spilled: Put on safety glasses, or goggles and rubber gloves. Contain spill. Prevent large spills from reaching waterways or sewers untreated. Sorbents may be used. Read "Waste Disposal Method" below for further information.

SECTION VII - HANDLING AND STORAGE

Precautions To Be Taken in Handling and Storing: Avoid contact eye and skin contact. Store in dry, cool, well-ventilated area away from incompatibles. Keep container sealed when not in use. Wash thoroughly after handling material.
Other Precautions: For Institutional Use Only. Keep out of reach of children.

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection (Specify Type): None required with normal use
Ventilation: General
Eye Protection: None required for normal use. If splashing is likely, goggles or faceshield may be needed.
Protective Gloves: None required with normal use. Protective gloves (neoprene preferred) may be needed if prolonged, direct contact is anticipated.
Other Protective Equipment: Suitable eyewash facilities

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Boiling Point °F: NAV	Specific Gravity (H₂O=1): 1.121
Vapor Pressure (mm Hg): N/K	Percent Volatile by Volume (%): N/K
Vapor Density (Air=1): N/K	Evaporation Rate (nBuOAc=1): N/K
Appearance and Odor: Clear purple liquid with fragranced odor	Freezing Point: approx. 30F
Coefficient of Water/Oil Distribution: N/K	pH (F.S.): 12.7 – 12.9
	Solubility in Water: Complete

SECTION X - STABILITY AND REACTIVITY
Possible Hazardous Reactions/Conditions: Avoid contamination with strong oxidizers and materials that will react with hydroxyl compounds..
Conditions to Avoid: None Known
Materials to Avoid: Strong oxidizers, Strong acids
Hazardous Decomposition Products: CO, CO ₂ , POX and acrid smoke/irritating fumes
Other Recommendations: None
Stability: Stable
Hazardous Polymerization: Will Not Occur

SECTION XI - TOXICOLOGICAL INFORMATION
Primary skin Index (Rabbits): 7.38 (severe irritant); Low Volume Eye Irritation Index (MAS - Rabbits): 18.00 @ 1 Hour; LD50 (oral – Rat): > 3000 mg/kg

SECTION XII - ECOLOGICAL INFORMATION
Not Available

SECTION XIII - DISPOSAL CONSIDERATIONS
Waste Disposal Method: Small quantities: Flush with plenty of water to dilute and/or neutralize with weak acid (i.e. citric acid) prior to discharge to POTW. Follow applicable local ordinances for disposal. Large quantities (i.e. 50 gallons or more): RCRA-corrosive (D002). Neutralization is preferred. Do not allow to enter sewers or waterways untreated. DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION XIV - TRANSPORT INFORMATION
DOT Classification: Corrosive liquids, n.o.s. (contains potassium hydroxide and other proprietary alkaline ingredients), 8, UN 1760, PG III, Ltd Qty

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All components are listed on the US TSCA Inventory.

All ingredients are listed on the Canadian DSL Inventory. The Canadian WHMIS classification is: Class DB2 (Materials Causing Other Toxic Effects) and Class E (Corrosive Material).

SECTION XVI - OTHER INFORMATION

*N/A. - Not Applicable

*N/K. - Not Known

F.S. – Full Strength

The submission of this MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied is for use only in connection with occupational safety and health.

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