

MATERIAL SAFETY DATA SHEET

Supersedes: 05/15/01

Issue Date: 09/27/01

Issue Date: N/A

SECTION I - CHEMICAL PRODUCT		
Identity: 130270		
Brands: DCT Oven Cleaner		
Hazard Rating: 2	Health: 2	4=EXTREME
	Flammability: 1	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: Sodium metasilicate and other proprietary alkaline ingredients					
Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200.					
<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Recommended Limits</u>	<u>Composition Range</u>	<u>LD50/LC50</u>
Sodium Metasilicate	same	6834-92-0	ACGIH TWA: 10mg/m ³ (total dust) / 5 mg/m ³ (respirable dust) OSHA PEL: 15 mg/m ³	1 - 7	
Benzensulfonic acid, dimethyl sodium salt		1300-72-7	ACGIH TWA: 2 mg/m ³	1 - 10	
TS 1094 – Trade Secret			ACGIH TWA: 10 mg/m ³ (total dust)	1 – 5	
TS 1057 – Trade Secret			ACGIH TWA: 10mg/m ³ (total dust) / 5 mg/m ³ (respirable dust) OSHA PEL: 15 mg/m ³	1 – 5	
TS 1013 – Trade Secret			ACGIH TWA: 2 mg/m ³ OSHA PEL: 2 mg/m ³	1 – 20	
TS 1038 – Trade Secret			ACGIH TWA: 100 ppm STEL: 150 ppm OSHA PEL: 100 ppm STEL: 150 ppm	5 – 15	
*TS 1016- Trade Secret			OSHA PEL: 1 ppm	1 – 5	

SECTION III - HAZARDS IDENTIFICATION	
Health Hazards (Acute and Chronic):	
Ingestion:	May cause moderate to severe gastrointestinal irritation if swallowed.
Eye Contact:	May cause moderate to severe eye irritation.
Inhalation:	May cause irritation if inhaled during prolonged, repeated exposures.
Skin:	May cause moderate to severe skin irritation.

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 CO ₂ , 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: Flammable vapors may occur if mixed with water and air, and heated sufficiently (approximately 350 F and above).		

SECTION VI - ACCIDENTAL RELEASE MEASURES
Personal Precautions: Avoid contact with undiluted product. Wash thoroughly with soap and water after handling. Do not swallow.
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 eye and skin contact. Store in dry, cool, well-ventilated area away from incompatibles. Do not store at elevated temperatures. 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: For splash protection, use chemical goggles, safety glasses with side shields and/or faceshield.
Protective Gloves: Chemical-Resistant (neoprene, rubber, PVC preferred)
Other Protective Equipment: Suitable eyewash facilities

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point °F: 200 F	Specific Gravity (H₂O=1): 1.09 – 1.10
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 yellowish, slightly viscous liquid with light fragranced odor	Freezing Point: approx. 30F
Coefficient of Water/Oil Distribution: N/K	pH (F.S.): 13.4 – 13.6
	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. Avoid strong acids and bases at elevated temperatures since this may result in explosive decomposition.

Conditions to Avoid: Extremely high temperatures.

Materials to Avoid: Strong oxidizers, Strong acids, Strong bases

Hazardous Decomposition Products: CO, CO₂, and acrid smoke/irritating fumes

Other Recommendations: None

Stability: Stable

Hazardous Polymerization: Will not occur

SECTION XI - TOXICOLOGICAL INFORMATION

*LD50 (Rabbits - Skin): Greater than 5000 mg/kg; LD50 (Rats – Oral): 16,800 – 22,060 mg/kg; LC50 (Rats – Inhalation): greater than 4.5 mg/liter as an aerosol
 Sodium Metasilicate: LD50 (Rats – Oral): 847 mg/kg; Skin (Rabbits – 4 HR Exposure OECD 404 Protocol): Corrosive

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 sodium metasilicate and other proprietary alkaline ingredients), 8, UN 1760, PG II, 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 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.

The information contained herein has been compiled from sources considered by Diversified Chemical Technologies, Inc. to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific material designated herein, and does not relate to the use in combination with any other material or any other process. Diversified Chemical Technologies, Inc. assumes no responsibility for injury to the recipient or third persons, for any damage to any property resulting from misuse of the controlled product.