

**MATERIAL SAFETY DATA SHEET**

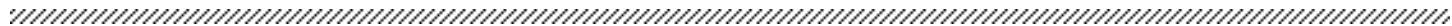
**Curtis/GlenChem Corp.**

Eddystone Industrial Park  
2000 Industrial Highway  
Eddystone, PA 19022-1513

Product: **MEMBRANE CLEANER 'B'**

Daytime Telephone: (610) 876-9906  
24 Hour Emergency: CHEMTREC® (800) 424-9300

MSDS No.: G5239 - Rev. 4.1 Date: 04/02  
Replaces Rev. 4.0 08/96  
Reason: Format Change



**-- SECTION 01 - IDENTIFICATION AND INFORMATION --**

Product or Trade Name: MEMBRANE CLEANER 'B'  
Chemical Name/Synonym: PROPRIETARY BLEND  
Chemical Family: COMPOUND  
Formula: PROPRIETARY  
Product Code: G5239

HMIS	
<u>Hazard Rating:</u>	<u>Legend:</u>
Health: 1	0 - Least
Fire: 0	1 - Slight
Reactivity: 0	2 - Moderate
	3 - High
	4 - Extreme

Product Description: Powdered, mildly alkaline cleaner for ultrafiltration membranes.

**-- SECTION 02 - PHYSICAL DATA --**

Boiling Point: N/A	Solubility in Water: 12.3 % by wt. @ 23°C
Vapor Pressure: N/A (mmHg)	Specific Gravity: N/A (H <sub>2</sub> O=1)
Vapor Density: N/A (AIR=1)	% Volatile by Volume: 0
Appearance: Off white powder	Odor: None
pH: 10.0 ± .3 @ 8 oz/gal.	

**-- SECTION 03 - HAZARDOUS COMPONENTS --**

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Diphosphoric acid, tetrasodium salt	7722-88-5	1-5	5 mg/m3, TWA	5 mg/m3, TWA
Sodium dodecylbenzene sulfonate	25155-30-0	5-10	n/e	n/e
Triphosphoric acid, pentasodium salt	7758-29-4	70-80	n/e	n/e
Inert and/or non-hazardous components	-----	5-10	-----	-----

**-- SECTION 04 - FIRE AND EXPLOSION HAZARD DATA --**

Flash Point: N/A (will not support combustion).  
Extinguishing Media: Small Fire: CO<sub>2</sub>, water fog, dry chemical; Large Fire: Alcohol-type or all-purpose-type foam.  
Special Fire Fighting Procedures: Use self-contained breathing apparatus; water may be used to cool adjacent containers. May react in solution form with aluminum to liberate flammable hydrogen gas.

**-- SECTION 05 - REACTIVITY DATA --**

Stability: Stable.  
Incompatibility: Strong oxidizers.  
Hazardous Decomposition Products: Carbon monoxide may form upon thermal degradation.  
Hazardous Polymerization: Will not occur.

**-- SECTION 06 - SPILL, LEAK, AND DISPOSAL PROCEDURES --**

Small Spills: Absorb with sand or inert material; scoop up and dispose to proper container.  
Large Spills: Prevent spread of spill by dyking. Salvage uncontaminated material if possible. Absorb remainder of spill with inert material; scoop up and dispose to proper container.  
ALWAYS DISPOSE OF MATERIAL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL CODES FOR THAT TYPE OF MATERIAL.

**-- SECTION 07 - HEALTH HAZARD DATA --**

EYE CONTACT: ..... May cause irritation if not irrigated immediately.  
SKIN CONTACT: ..... Prolonged contact may cause dryness and dry skin irritation.  
INHALATION: ..... No data - situation not normally encountered.  
INGESTION: ..... May cause gastrointestinal discomfort.  
EFFECTS OF OVEREXPOSURE: ..... None currently known.

**-- SECTION 08 - FIRST AID --**

EYES: ..... Flush with water for a minimum of 15 minutes (industry safety standard for all materials). Seek medical attention if irritation persists.  
SKIN: ..... Flush with water; wash with soap and water after handling.  
INHALATION: ..... Remove to fresh air.  
INGESTION: ..... Administer several glasses of water to drink, then induce vomiting while keeping airway clear. *Never give anything by mouth to an unconscious person.*

**-- SECTION 09 - SPECIAL HANDLING INFORMATION --**

VENTILATION: ..... None normally required; maintain below TLV.  
RESPIRATORY PROTECTION: ..... None normally required; NIOSH approved respirator for dusty conditions.  
PROTECTIVE CLOTHING: ..... Chemical resistant gloves when mixing or handling, and eye protection.  
EYE PROTECTION: ..... Tight fitting or chemical workers goggles.

**-- SECTION 10 - REGULATORY AND ADDITIONAL INFORMATION --**

HANDLING AND STORAGE: Do not breathe vapors or mist. Do not allow contact with eyes, or leave in contact with skin for prolonged periods. Wash contaminated clothing prior to re-use. Do not allow contact with oxidizers. Empty Containers: Do not reuse empty containers for storage of foodstuffs or potable water. For returnable drums or drums set aside for reconditioner, empty drums as completely as possible and fit bungs tightly with undamaged closures. D.O.T. regulations forbid transportation of partially filled and unclosed containers.

D.O.T.: Shipping Information: Shipping Name: Alkaline Cleaning Powder, Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.  
SARA Title III Information - Ingredients *Not Listed* as Hazardous in Sections 311/312 or 313  
CERCLA Information - Not Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs.

Abbreviations Used in this Material Safety Data Sheet: < = Less Than; > = Greater Than; N/A = Not Applicable; N/E = Not Established; N/L = Not Listed; N/D = Not Determined; TWA =Time Weighted Average; STEL= Short Term Exposure Limit; PEL = Permissible Exposure Limit; NIOSH = National Institute of Occupational Safety & Health; OSHA = Occupational Safety & Health Administration; ACGIH = American Conference of Government and Industrial Hygienists; NTP = National Toxicology Program; IARC = International Agency for the Registration of Carcinogens; TSCA =Toxic Substance Control Act; SARA =Superfund Amendment Reauthorization Act; RQs = Reportable Quantities; CERCLA = Comprehensive Environmental Response Compensation and Liability Act; NRC = National Response Center; RCRA = Resource Recovery and Conservation Act.

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