

MATERIAL SAFETY DATA SHEET

Curtis/GlenChem Corp.

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Product: **MEBEC 212**

MSDS No.: F2212 - Rev 4.0 Date: 08/96
Replaces - Rev 3.0 08/95
Reason: Format Change

-- SECTION 01 - IDENTIFICATION AND INFORMATION --

Product or Trade Name: MEBEC 212
Chemical Name/Synonym: PROPRIETARY BLEND
Chemical Family: LIQUID ALKALINE COMPOUND
Formula: PROPRIETARY
Product Code: F2212

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

Product Description: ALKALINE CLEANING COMPOUND

-- SECTION 02 - PHYSICAL DATA --

Boiling Point: >212°F. Solubility in Water: Infinite
Vapor Pressure: < 1 (mmHg) Specific Gravity: 1.13
Vapor Density: > 1 (air=1) % Volatile by Volume: Nil
Appearance: Reddish-yellow clear liquid Odor: Bland
pH: 12.3 ± 0.1 @ 2 oz/gal pH for solutions: ~11.3

-- SECTION 03 - HAZARDOUS COMPONENTS --

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Sodium metasilicate	6834-95-0	5-10	Not Listed	Not Listed
Potassium hydroxide (1)	1310-58-3	5-10	2mg/m ³	2mg/m ³
Inert and/or non-hazardous components	-----	75-85	-----	-----

Note: Material may contain trace amounts of ethylene oxide (75-21-8) in quantities less than 0.0001%.

(1) Limits established here are for 45 - 52% liquid caustic potash. Diluted as a component part of the compound, the limits can be expected to be significantly higher and the risk of exposure lower, although no research has been done to establish exact limits for the finished product.

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

Flash Point: N/A (will not support combustion).
Extinguishing Media: Small Fire: CO², 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.

-- SECTION 05 - REACTIVITY DATA --

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

- Continued on next page -

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-- 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. Severe irritation or chemical burn may occur if not irrigated immediately.
SKIN CONTACT: Prolonged contact may cause dryness and dry skin irritation.
INHALATION: Breathing of airborne mist may cause irritation or burns of respiratory tract.
INGESTION: May cause burns in digestive tract.
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: DO NOT INDUCE VOMITING - Administer several glasses of water to drink. Seek medical attention. Never give anything by mouth to an unconscious person

-- SECTION 09 - SPECIAL HANDLING INFORMATION --

VENTILATION: None normally required; product normally does not produce vapors or mist.
RESPIRATORY PROTECTION: None normally required; NIOSH approved respirator for mist conditions.
PROTECTIVE CLOTHING: Chemical resistant gloves when mixing or handling.
EYE PROTECTION: Tight fitting or chemical workers goggles when preparing solutions or if splashing is anticipated.

-- 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: Alkaline Cleaning Liquid, Unregulated

TSCA - The ingredients in this material are listed on the TSCA Inventory.

SARA Title III Information (for sodium hydroxide as a component of this material): A) Sections 311/312 - acute, reactive; B) Section 313 - Not Listed; C) Section 302 - Not Listed as an Extremely Hazardous Substance.

CERCLA Information (for the hazardous components): Listed or Not Listed in Table 302.4 of 40 CFR Part 302 as a hazardous substance with NRC RQs of 1000 lbs. Release to land, air or water of MEBEC 212 would be in excess of 1100 gallons to meet the RQ for reporting.

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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