



SAFETY DATA SHEET

Section 1 – Identification

MSDS Name: Ag/AgCl Permanent Electrode Filling Solution
Company Identification: M. C. Miller Co., Inc.
 11640 US Hwy 1
 Sebastian, Florida 32958

Synonyms: None
 Telephone: 1-772-794-9448
 Fax: 1-772-589-9072
 E-mail: sales@mcmiller.com

Emergency Numbers: M. C. Miller Co., Inc. 1-772-794-9448

Section 2 – Hazard(s) Identification

- **Exposure Limit:** Not established
- **Route Of Entry:**
 - **Inhalation:** N/A
 - **Skin:** N/A
 - **Ingestion:** May be harmful if swallowed
 - **Eyes:** Serious eye damage / irritation
- **Carcinogenicity:**
 - **NTP:** N/A
 - **Monogr:** N/A
 - **OSHA Reg.:** No
- **Health Hazards:** Serious eye damage / irritation
- **Effects Of Overexposure:** (See below)
- **Emergency & First Aid Procedures:**
 - **Eyes:** Rinse eyes cautiously with water for several minutes. Remove contact lenses if present and easily removed. If irritation persists seek medical attention.
 - **Skin:** Wash with soap and water.
 - **Ingestion:** Rinse mouth. Do not induce vomiting. Drink plenty of water. Consult a physician.

Section 3 – Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
Trade Secret	Trade Secret	Trade Secret	Trade Secret
7732-18-5	Water	55 - 80	215-185-5

According to OSHA, this product should not be considered a hazardous material.
 OSHA PEL/ACGIH TLV: NA

Section 4 – First Aid Measures

- **Skin contact:** Remove contaminated clothing and shoes. Wash affected areas with soap and water.
- **Eye contact:** Flush eyes promptly with water, continuing for at least 15 minutes. If irritation continues, seek medical attention.
- **Inhalation:** Remove from exposure. If breathing becomes difficult or irritation develops, seek medical attention.
- **Ingestion:** Seek medical attention. Do not induce vomiting unless directed by a physician.
- **Note to physician:** Treat symptomatically.

Section 5 – Fire-fighting Measures

- **Flash Point:** N/A
- **Unusual Fire & Explosion Hazards:** None
- **Extinguishing Media:** Any
- **Flammable Limits:**
 - LEL: N/A
 - UEL: N/A
- **Special Fire Fighting Procedures:** N/A
- **Identity:** Proprietary Aqueous Solution

Section 6 – Accidental Release Measures

- **Evacuation and Safety:** Wear normal protective gear for the situation.
- **Waste Disposal:** Not regulated.

Section 7 - Handling And Storage

- **Spill Response:** Pick up and wash down drain with excess of water.
- **Waste Disposal:** Not regulated.
- **Precautions To Be Taken In Handling & Storage:** Store in cool, dry place.
- **Other Precautions:** N/A
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Section 8 – Exposure Controls/Personal Protection

- **Respiratory Protection:** N/A
- **Protective Gloves:** Optional
- **Other Protective Equipment:** None Required
- **Ventilation:** None
- **Eye Protection:** Safety Glasses
- **Work/Hygienic Practices:** Wash hands thoroughly before eating, drinking or smoking.
- **Key:** N/A = Not Applicable Or Not Available
- **N/D** = Not Determined

Section 9 – Physical and Chemical Properties

- **Physical State and appearance:** Liquid
- **Taste:** Not available
- **Boiling Point:** The lowest known value is 100 °C(212 °F)(Water)
- **Vapor Density:** The highest known value is 0.62(Air = 1)(Water)
- **Melting Point:** N/A
- **Appearance/Odor:** Clear, odorless liquid
- **Water Solubility:** 100% by weight
- **Specific Gravity (H₂O=1):** 1.15
- **Evaporation Rate:** N/A
- **Reactivity In Water:** N/A

Section 10 – Stability and Reactive Data

- **Stability:** The product is stable.
- **Instability Temperature:** Not Available
- **Conditions of Instability:** Not Available
- **Corrosivity:** Non-corrosive in presence of glass.
- **Polymerization:** No

Section 11 – Toxicological Information

- **Routes of Entry:** Not available
- **Toxicity to Animals:** LD50: Not available. LC50: Not available.
- **Chronic Effects on Humans:** The substance is toxic to Lungs, mucous membranes.
- **Other Toxic Effects on Humans:** Non-corrosive for skin. Non-sensitizer for skin. Non-permeator by skin.
- **Special Remarks on Chronic Effects on Humans:** Passes through the placental barrier in animals
- **Special Remarks on other Toxic Effects on Humans:** Not available.

Section 12 – Ecological Information

- **Ecotoxicity:** Not available
- **BOD5 and COD:** Not available
- **Products of Biodegradation:**
Possibly hazardous short term degradation products are not likely.
However, long term degradation products may arise.
- **Toxicity of the products of Biodegradation:** The products of degradation are more toxic.

Section 13 – Disposal Considerations

- Waste Disposal:

Section 14 – Transport Information

- **DOT Classification:** Not a DOT controlled material (United States)
- **Identification:** Not applicable
- **Special Provisions for Transport:** Not applicable

Section 15 – Other Regulatory Information

- **Federal and State Regulations:** Water with proprietary compound
- **Other Regulations:** OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
- **WHMIS Canada:** CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
- **DSCL (EEC):** This product is not classified according to EU regulations.
- **HMIS (U.S.A.):**
 - **Health Hazard:** 0
 - **Fire Hazard:** 0
 - **Reactivity:** 0
 - **Personal Protection:** a
- **National Fire Protection Association: (U.S.A.)**
 - **Health:** 0

- **Flammability:** 0
- **Reactivity:** 0
- **Special Hazard:**
- **Protective Equipment:** Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Safety Glasses.

Section 16 – Other Information

The information contained within this document is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if M.C. Miller Co. Inc. has been advised of the possibility of such damages