

## **GEN II LEAK STOP GEL CREATES SEMI PERMANENT ELECTRODES**



Leak Stop Gel 4 oz.  
Cat. #18010

Leak Stop Gel 8 oz.  
Cat. #18020

### **FEATURES & BENEFITS**

- New, improved Leak Stop Gel for use with any MCM electrode.
- Squeeze bottle for easy dispensing
- Flip top for less spillage and waste
- Stops the leaking of Copper Sulfate electrodes
- Replaces leaky liquids with gel electrolyte
- Constituted from the highest purity Copper Sulfate Crystals
- Retains the ability to maintain and calibrate your copper sulfate electrode
- Does not require heating for flowability
- Has no expiration date (unlimited shelf life)
- Storage temperature range: -20° C (-4° F) to 65° C (150° F)

*All specifications are subject to change*

*An MSDS and a instruction manual is included with each bottle or can be downloaded from: <http://documents.mcmiller.com>*



# GENERAL INFORMATION:

## PURPOSE:

M.C. Miller Leak Stop Gel was developed for situations in which electrodes may leak copper-sulfate solution in a quantity which is unacceptable. This often arises when an electrode is stored in a vehicle where the heating and cooling of night and day expands and contracts the copper-sulfate liquid, forcing it through the ceramic plug. This leaves a messy residue of copper-sulfate crystals behind. This situation of unwanted leaking electrodes is greatly reduced or eliminated when Leak Stop Gel is used. ( The gel is too thick to be forced out the end of the electrode during normal heating and cooling cycles, preventing the leakage from occurring. )

## PREPARATION FOR USE:

1. Remove top rod assembly from the copper-sulfate electrode.
2. Pour Leak Stop into copper-sulfate electrode to a level one inch below the top.  
( Bottom of the threads )
3. Replace and tighten rod assembly.

## REMOVING GEL FROM ELECTRODE:

Replace and the gel once the electrode has become used, contaminated, cloudy or varies from freshly prepared standard by 15MV. Internal company guidelines may dictate a different millivolt variance. The Miller Leak Stop Gel behaves like a copper-sulfate electrode filled with deionized water. After time and repeated use the electrode may become contaminated. When this occurs the gel must be removed.

The Leak Stop Gel may be discarded using proper disposal methods. Rinse out the electrode tube and remove the copper element. With the rod removed it can be barnished with an abrasive pad to remove oxidation. Rinse thoroughly with deionized water and reassemble. The electrode can be refilled with Leak Stop Gel as outlined above.

## PREPARATION FOR USE:

**NOTE:** Leak Stop is a gel and therefore does not soak through the ceramic tip as much as a normal copper-sulfate solution. The side effect of this gain is that the ceramic tip when used in a vary arid condition may dry out. This problem is easily overcome by submerging the ceramic tip of the electrode into a cup of tap water for 5 seconds. This will re-wet the tip and the electrode will work as desired.

## SPECIFICATIONS:

The Leak Stop Gel - Anti-Freeze is very accurate when compared to a freshly made standard copper-sulfate electrode made from high purity crystals and deionized water. The variance can be expected to be within 1 millivolt at 32°F from the standard at room temperature (72°F).

At a temperature of 20°C (-4°F) Copper Sulfate Leak Stop Gel does not freeze

Each 4 Oz. bottle of MCM Leak Sop Gel contains enough gel to fill two RE-5 Electrodes.

The 8 Oz. bottle of MCM Leak Stop Gel will fill one RE-3A Electrode.

## STATEMENT OF HAZARDS:

Harmful if swallowed. Causes eye irritation. Causes respiratory tract and skin irritation. May cause blood disorders, convulsions or affect the kidney.

## NFRA RATINGS (SCALE 0-4):

Health=3 Fire=1, Reactivity=0

## PRECAUTIONARY STATEMENTS:

Do not get in eyes, or on clothing. Avoid breathing vapor or mist. Wash thoroughly after handling. Handle with caution

## FIRST AID:

Remove from exposure area. Flush Skin/eyes with water for 15 minutes. If vomiting occurs, keep head below hips to prevent aspiration. Get medical attention immediately. See MSDS for further recommendations.

## EXPOSURE LIMITS:

This substance regulated by OSHA and or ACHIH.

Disclaimer - Pre-Production Brochure - Specs Subject to Change



**INSTRUMENTS AND EQUIPMENT FOR THE CORROSION ENGINEER**

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