

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
A SDS and instruction manual is available online from our website: <http://www.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 replaced.

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 burnished 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 quickly as a normal copper sulfate solution. The side effect of this gain is that the ceramic tip when used in a very 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.

When using gel or anti-freeze solution with an RE series portable electrode, there will be a 12mV shift in the potential. This should be noted when interpreting the resulting readings.

At a temperature of 20°C (-4°F) copper sulfate Leak Stop Gel does not freeze.

Each 4 Oz. bottle of MCM Leak Stop Gel contains enough gel to fill two RE-5 Electrodes. 8 Oz. bottles contain enough to fill four electrodes.

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:

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

FIRST AID:

Remove contaminated clothing. **Skin:** wash with soap and water. **Eyes:** flush with water. **Ingestion:** treat symptomatically, induce vomiting. **Inhalation:** leave exposed area to fresh air immediately.
*For more detailed First Aid Measures, please refer to SDS #100 located on website www.mcmiller.com.

EXPOSURE LIMITS:

This substance regulated by OSHA and or ACHIH.

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INSTRUMENTS AND EQUIPMENT FOR THE CORROSION ENGINEER

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