

# Tech Sheet

## RENU Liquid Zinc



## Storing RENU Zinc

### 1. Materials of Construction

**RENU** Zinc (includes 10%, 12%, 15% and 20%) may be stored in well maintained vessels constructed of mild steel, stainless steel, fiberglass, polypropylene or polyethylene. Valves should be inspected on a regular basis and replaced as needed to prevent leakage. Flanged valves versus threaded valves are recommended on storage tanks. For gaskets, spiral wound PTFE/304 are one type that have proven to be long lasting. If threaded connections are used in the handling of **RENU** Zinc, the use of a pipe thread sealant with Teflon is recommended. (Use RectoSeal<sup>®</sup> T Plus 2<sup>®</sup> or equivalent product) Valves and components containing EPDM, hypalon, neoprene, and silicone are acceptable. Aluminum or aluminum alloys should NOT be used to store or transport **RENU** Zinc. Bronze, brass or copper alloys are NOT compatible with **RENU** Zinc. Valves and components containing Buna N, natural rubber or polycarbonate should NOT be used.

### 2. Venting

Tanks used for storing **RENU** Zinc should be vented in accordance with manufacturer's recommendations. A pressure/vacuum vent constructed of acceptable materials and providing suitable pressure and

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vacuum relief is recommended. A pipe vent or a T-type vent may be used and constructed in such a manner so as to prevent rain water from entering the vessel. Since **RENU** Zinc is an ammoniated product containing free ammonia, open



venting during warm weather may allow enough ammonia to escape to allow zinc compounds to precipitate. A well-designed vent can reduce this ammonia loss.

### 3. Precautionary Labeling

Vessels should be labeled "**CAUTION TO WELDERS**". Do not weld on vessels that contain or have contained **RENU** Zinc or products with free ammonia unless they are cleaned and tested for explosivity (LEL-Lower Explosion Limit).

**This bulletin provides some technical information and is not intended to give complete information for all applications. Always read and follow label directions.**

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