



Corrosion Control Products

Instructions for Cleaning and Treating Sump / STPs / Hydrant Pits Areas for Corrosion Control

Hardware Needed:

- Gloves
- Safety Goggles
- Brass Wire Brushes, Multiple Sizes and Shapes
- Brass Scraping Tools Skinny and Wide.
- Protective Coveralls
- Paint Brushes - disposable 2-3" wide.
- Milwaukee Sprayer (Model A1002) or similar
For Above Ground , Non Confined Space Entry
- Absorbent Wipes
- Trash Debris Grabber (Optional)
- Plastic Dust Pan and Broom
- 5-9 feet of $\frac{3}{4}$ PVC Pipe
- Cutter / Knife for PVC Pipe
- Tie Wraps for Desiccant Bag

Note: Any fan, power tools and all electrical devices must be UL listed, intrinsically safe, & explosion proof.

Material / Chemicals Needed – Per STP

- **Steel Camel** One Quart will complete one STP for UST
Two – Three Quarts for Larger Applications.

- **Water Absorbing / Acid Neutralizing Desiccant Bag** – One each per UST sump and two per pit / vault if larger than 6'H and 4' diameter.

Procedures:

Step 1

- Open up lids to expose sump and ventilate area well. Blow out area with fan or blower if necessary.
- Remove any water or debris on floor of sump with vacuum or manually
- Wipe wet areas with absorbent towels if necessary

Step 2

- Remove gross sludge and rust flakes / chips, scale from metal surfaces with brass scrapers or brass wire brushes. Non sparking tools such as air driven grinding wheels, disc brushes and needlers may also be used.
- This includes all metallic surfaces, parts and pipes of STP motor and assembly
- If Copper Tube is severely corroded, remove corrosion with non sparking wool
- Remove debris on floor with broom / dust pan.
- ** dispose of removed debris / liquid in accordance with applicable regulations.*

Note: OK to leave surfaces rusted, important to remove gross debris any scaling off metal surfaces. (Must get to base metal)

For Equipment with Existing Coatings

In order for Steel Camel to work properly, the solution must saturate the base metal. If paint / coating removal is required. Since Steel Camel is not a coating, surface preparation standards under such organizations as The Society of Protective Coatings (SSPC) do not apply.

However, tools such as non sparking needlers, air driven grinders and wheel brushes that are reference in SSPC #2 and #3 may be used.

Additional Options Include: Non Methylene Chloride and Non Caustic Paint Strippers. These paint removing products are applied by brush on coatings and typically allowed to dwell between 8 and 24 hours, before removal process begins. Follow manufacturers instructions Ensure all chemical residue is removed by a damp rag.

Note: Applicator should follow all company or organization safety policies.

Step 3

- Apply **Steel Camel** liberally to all metal / rusted surfaces with sprayer (above sump) or paint brush if inside sump. Make sure to leave no rust showing.
- This includes copper tube and all metal fasteners.
- Wait 30 minutes and reapply second coat of Steel Camel to any dry or missed spots.
- Make sure Steel Camel has fully penetrated and saturated all metal surfaces.

Step 4 • Install Water Absorbing / Acid Neutralizing Desiccant Bag

- Use plastic or wire ties to secure to highest point in sump or pit.
- A PVC pipe may be used to install and hang bag if required.
- If sump is greater than 6' deep and 4' in diameter, use two **Water Absorbing / Acid Neutralizing Desiccant Bags**.

Step 5 • Clean Up & Close

Ongoing Maintenance / Inspection:

The Steel Camel program is designed to solve & reduce corrosion problems in hostile environments. Steps that can be taken to increase maintenance cycles include:

- 1) Touch Up Areas Or Reapply Entire Areas With Steel Camel Rust Inhibitor As Needed
- 2) Replace Water Absorbing / Acid Neutralizing Desiccant Bag(s) Annually
- 3) Remove Free Standing Water As Often As Possible

- 4) To better Water Proof a Sump to prevent surface water entry apply a bead of "Steel Camel" Hydro Block from a Caulking Tube onto the Lid Lip of the Sump. When the Bead is in place and the Sump Lid is closed, it will compress the AquaBlok Bead to form a Water Bonding Layer between the Sump and the applied Lid. Which, by the ability of the SC AquaBlok to Molecular Bond the Individual Hydrogen Atoms and Individual Oxygen Atoms of any Water attempting to enter, will cause the Water itself to become a Non-Fluid Material in its bonded State.

This action would help form a Water Block against any further water attempting to enter or seep into the sump. Blocked by the ability of the SC AquaBlok bonded Water to "compact" into a Plug or Barrier to any further Water passage.

Support & Questions

813-877-4665

Disclaimer:

The Steel Camel program and respective products are designed to prevent water from entering UST sumps and prevent corrosion. However, it is not guaranteed to prevent both of these occur 100% of the time to unforeseen circumstances such as fuel leaks, equipment failure, massive water intrusion that overwhelms the products.

Steel Camel and respective products are not intended to be a guaranty or warranty that water will never enter a UST sump space or corrosion will never occur.

To the fullest extent permitted by law, Steel Camel expects that the customer will indemnify, defend, and hold harmless Steel Camel and its owner, agents and employees from and against any claim, suit, or liability. By purchasing Steel Camel Products, the customer hereby releases THE Steel Camel from any action, claim, or demand that the customer may have now or hereafter against Steel Camel.

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