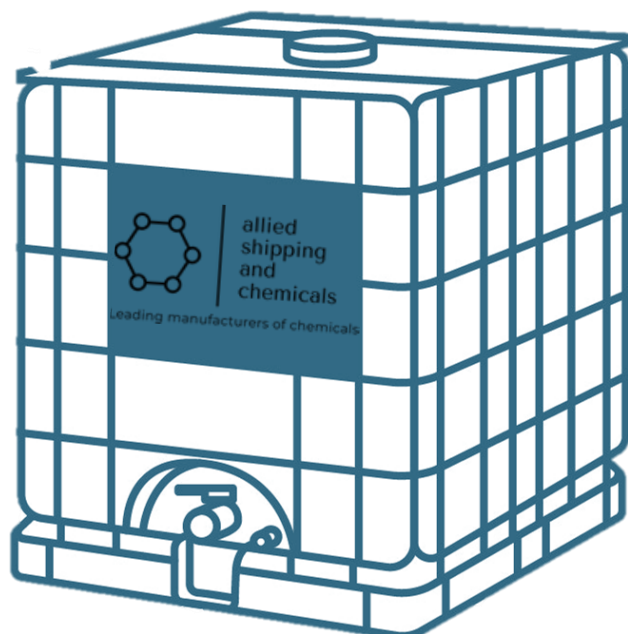
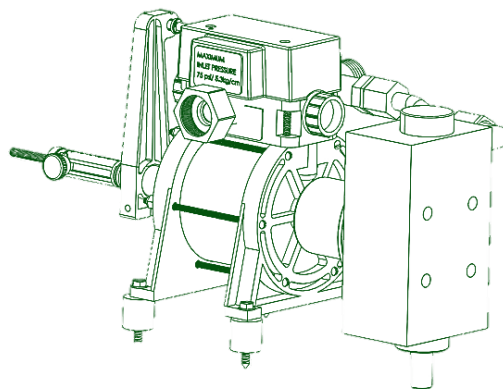


## Proportioning System with IBC 275-Gal Tote



## Safety

When handling and installing a corrosion inhibitor with a proportioning system that operates using tap water pressure, it is essential to follow proper safety protocols to ensure the safety of personnel and the integrity of the system. Always read and adhere to the manufacturer's Safety Data Sheet (SDS) for the specific inhibitor used. Proper training and PPE are mandatory before initiating installation or maintenance.

### Key Safety Guidelines:

- **Wear appropriate PPE:** Always use chemical-resistant gloves, safety goggles, long-sleeved clothing, and protective footwear to avoid direct contact with the inhibitor.
- **Ensure proper ventilation:** Work in a well-ventilated area to prevent the buildup of vapors or fumes during handling or transfer.
- **Check system pressure ratings:** Verify that the proportioning system and all fittings are rated for your tap water pressure to avoid leaks or bursts.
- **Avoid cross-contamination:** Do not connect the proportioning system to potable water lines without appropriate backflow prevention.
- **Flush lines properly:** After installation or maintenance, flush the system thoroughly with water to remove any residual chemical before use.

## Operations

1. Store the SDS record in location for easy access and follow instructions as noted in case of any emergency.

allied shipping and chemicals  
Leading manufacturers of chemicals

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

**SAFETY DATA SHEET**

CI-80

**SECTION 1: Identification**


1.1. Product identifier  
Trade name: CI-80  
Other names / synonyms: corrosion inhibitors  
CAS No.: Confidential  
1.2. Relevant identified uses of the substance or mixture and uses advised against  
Relevant identified uses of the substance or mixture: Additive  
Uses advised against: Restricted to professional users.  
None known.  
1.3. Details of the supplier of the safety data sheet  
Company and address: **CrudeChem Technology c/o Allied S&C**  
19th Flr 302  
TX 77462 Brookshire  
USA  
www.allied-shipping-chemicals.com  
Contact person: Pete Okullo  
E-mail: pete@allied-shipping-chemicals.com  
SDS date: 10/27/2023  
SDS version: 1.0  
1.4. Emergency telephone number  
Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (<https://www.webpoisoncontrol.org>) to get specific guidance for your case.  
See also section 4 "First aid measures".

**SECTION 2: Hazard(s) identification**

OSHA/HCS status  
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1. Classification of the substance or mixture  
Acute Tox. 4, H302, Harmful if swallowed.  
Acute Tox. 4, H312, Harmful in contact with skin.  
Skin Corr. 1B, H314, Causes severe skin burns and eye damage.  
Eye Dam. 1, H318, Causes serious eye damage.  
Acute Tox. 4, H302, Harmful if inhaled.

2.2. Label elements  
Hazard pictogram(s)



2. Place the tote in shaded area and on secondary containment pallet. Any alternate storage plan must be approved by local EHS team to avoid spills. The weight of tote inclusive of CI-80 is less than 3,500 lbs.



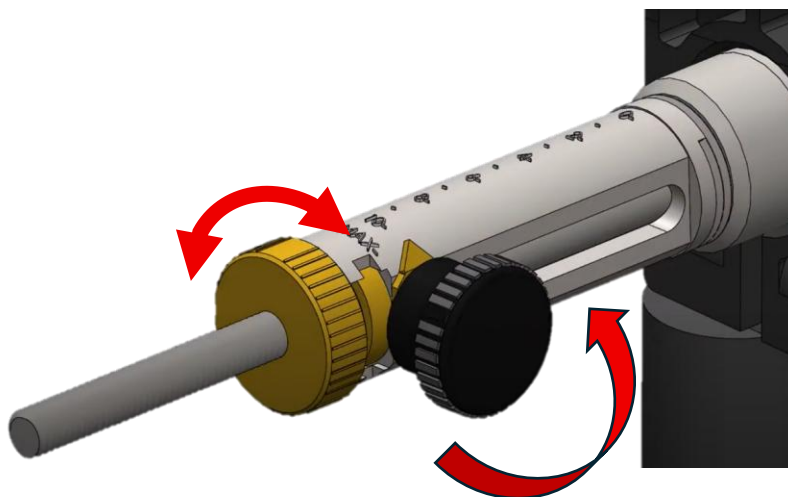
3. All equipment surfaces, both external and internal, should be thoroughly buffed using appropriate buffing tools to remove any existing rust. This ensures the corrosion inhibitor can form a protective coating that helps prevent future rust formation.



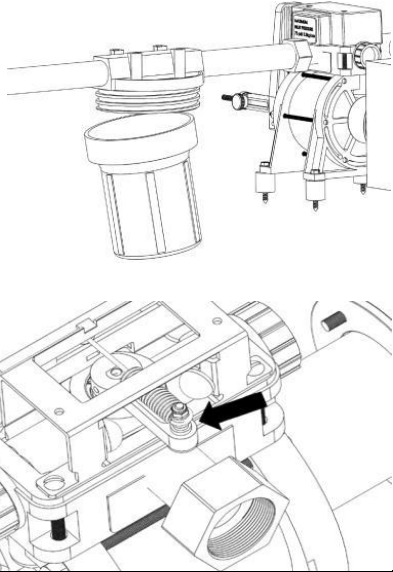
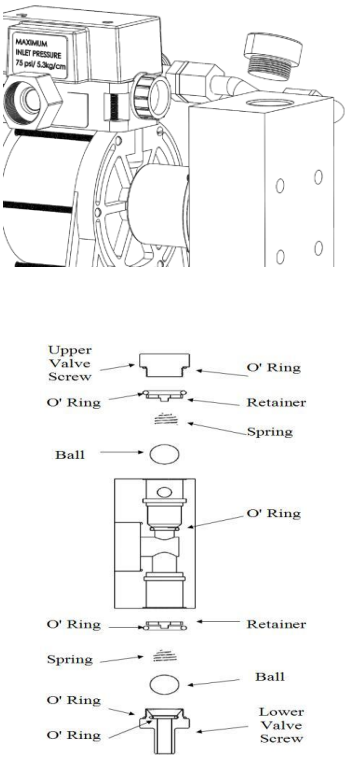
4. Spray the Corrosion inhibitor on the exterior surfaces while laying on the stand for maximum protection. Do not apply on rusty surfaces. The inhibitor bonds directly with clean, bare metal to create a protective coating.



5. After the proportioner is installed per DOC: IM2505-CI80, record and email the SN for future maintenance records.
6. Adjust the proportioning ratio, loosen the black cap and turn the brass dial to set the desired concentration level. Begin at full strength (20%) and reduce gradually to around 10% if satisfactory results are achieved.



## Troubleshooting

Issues	Causes	Corrections
<p>1. Water motor will not run</p> 	<p>A. Water turned off to unit. B. Water filter clogged. C. Discharge lines shut off or clogged D. Proportioner stalled. The proportioner operates intermittently and then stalls. E. Weak or broken toggle lever spring. F. Actuating Arm out of adjustment.</p>	<p>i. Turn water on to unit. ii. Remove and replace filter element. ii. Check to be sure the lines are clear and all system valves are open. v. Water inlet pressure has dropped. Relieve downstream back pressure. If unit restarts, there is no problem. If the unit does not restart, the valve block may need to be rebuilt.</p>
<p>2. Will not draw chemical</p> 	<p>A. The water motor is not working. B. Proportioner concentrate adjustment set on minimum. C. Pump head seals dry. D. Upper or lower valve screws sucking air. E. Foreign material on ball seat. Concentration has caused balls to stick. F. Excessive discharge backpressure.</p>	<p>i. Check motor per item 1 above ii. Re-adjust. Set on 10 to prime. iii. Remove top valve screw, flood cavity with water. Replace spring and valve screw carefully. Start unit. iv. Tighten fittings - hand tight only. v. Remove valve balls carefully and clean. Flush and clean ball O-rings in place carefully. Replace balls, springs and upper and lower valve screws carefully. vi. Relieve downstream back pressure until the unit is primed.</p>

## Contact

For operations support please reach out to: [info@allied-shipping-chemicals.com](mailto:info@allied-shipping-chemicals.com)

For sales support please reach out to: [sales@allied-shipping-chemicals.com](mailto:sales@allied-shipping-chemicals.com)