



PRICE ENTERPRISES
INC

SOP 35-22CW September 13, 2022

Chemical Handling - Transferring Chemical

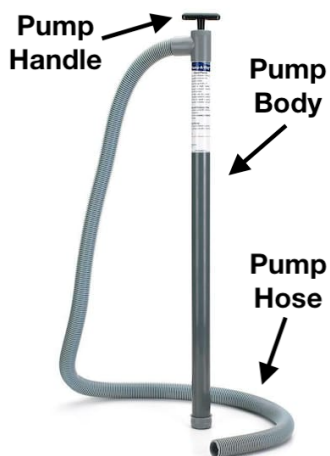
Purpose: To ensure proper protocol is followed & required personal protective equipment is used when handling and transferring chemicals to protect all employees. This SOP is part of the Chemical Handling Procedures to be used as a reference and as part of the Chemical Handling Training and Certification Program.

Personal Protective Equipment (PPE) Required:

1. Safety Glasses
2. Chemical Apron
3. Nitrile Gloves
4. Face-shield
5. Ear Protection
6. Shirt/ Long Trousers
7. Windbreaker
8. Slip-Resistant Shoes

Tools Required:

- Drum cap wrench
- Fluid transfer tool

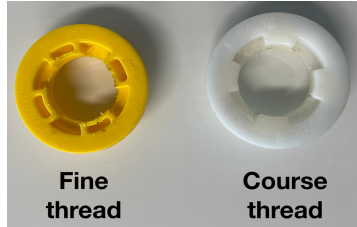


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- Pre-Drilled Drum caps for transfer hose



- Empty 5-gallon bucket (orange)
- Blue shop towels

Rules to Follow:

1. Never handle or move chemical drums without drum caps secured.
2. Only a Certified Chemical Handling employee will transfer chemicals.
3. Ensure required Personal Protective Equipment is worn when handling chemical drums.
4. Only transfer chemical when the chemical level of in-use drum is low enough, i.e., if there are 4 inches left over in the empty drum, ensure 5 inches or more is available in new drum to prevent overfilling and spilling.

Transferring Chemicals:

1. Fill 5-gallon bucket with water and place in front of equipment room sink to be used later.
2. Move empty chemical drum that will be transferred close to the in-use drum.
3. Remove cap from in-use drum that does not have the chemical tubing installed.
4. Install pre-drilled drum cap into in-use chemical drum using correct thread.
5. Remove any cap from the empty drum.
6. Install Fluid Transfer Pump body into empty chemical drum.
7. Install Fluid Transfer pump hose into pre-drilled cap on in-use chemical drum. Hose is reverse thread, so you need to screw hose in by rotating counterclockwise.
8. Transfer chemical by pumping the Pump Handle.
9. Once pumping becomes easier, check level of empty drum ensuring all the chemical has been transferred.
10. Using blue shop towels, remove pump hose from in-use drum wiping any excess chemical from hose.
11. Remove transfer pump body from empty chemical drum, using blue shop towels to prevent spill.
12. Take fluid transfer pump to sink and put pump body end into 5-gallon bucket and end of hose into sink. Use pump handle to pump clean water through the transfer pump, removing any chemical in the pump. NOTE: Use only the equipment room

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- sink to clean the transfer pump since the sink is connected to the Carwash trough which drains into the clarifier tank system before entering the sanitary sewer.
13. Once transfer pump is pumped and cleaned of chemical, remove and place pump in designated spot using empty 5-gallon bucket placed near equipment room sink.
 14. Re-install and tighten drum caps on in-use drum and empty chemical drum.
 15. Remove empty chemical drum from equipment room and place in loading area for vendor to pick up.
 16. Clean up chemical spills that may have occurred during transfer process.
 17. Top of all drums will be free and cleaned of chemical, dirt, debris, tools etc.

Chris Price

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