SAFETY

When performing this procedure, proper PPE must be worn. Hydrogen peroxide is an oxidizer and is corrosive, and may cause burns by exposure, inhalation, or ingestion. If contact is made with hydrogen peroxide, wash with large amounts of water for 15 minutes and remove contaminated clothing.

This procedure requires access to the top of the isocontainer. The operator should utilize appropriate fall protection to prevent injuries from a fall.

INSTRUCTIONS

1. Once the vessel to be offloaded is spotted, wheels chocked, and barricade installed, remove the dust cap from the offload connection, rinse the end connection with UPW, and connect the site’s H₂O₂ chemical offload hose, ensuring that the Camlock locking tabs are securely closed. Ensure that the hose is connected to the site’s proper H₂O₂ offload station.

2. Open the H₂O₂ 2-inch discharge valve located at the top of the vessel’s spillbox.

3. Open the black-handled nitrogen valve (also in the top spillbox).

4. Close the blue-handled vent valve (also in the top spillbox).

5. Connect the site’s nitrogen supply hose to the vessel’s nitrogen connection located at ground level.

6. Open nitrogen supply to the hose (not to exceed 30 psi), then open the nitrogen inlet valve at ground level on the isocontainer.

7. Open the appropriate valve(s) at the offloading station/tank to allow proper flow to the designated offload tank.

8. Open the ground level H₂O₂ outlet valve when ready to initiate the offload.

9. Once flow to the designated tank has started, inspect hose connections and verify that the offload is progressing leak free.

10. When the vessel is empty, stop nitrogen flow from the site’s nitrogen header.

11. Close both the H₂O₂ discharge valve and the black-handled nitrogen valve located in the top spillbox.

12. Open the blue-handled vent valve (top spillbox).

13. Bleed pressure from the nitrogen hose and disconnect the hose.

14. Close nitrogen inlet valve at ground level.

15. Bleed pressure from the H₂O₂ chemical offload hose, close the 2-inch ground level discharge valve, and disconnect the chemical offload hose.

16. Re-install the Camlock dust cap ensuring that the locking tabs are securely closed.
SAFETY

Persons working with hydrogen peroxide should be familiar with personal protective equipment, first aid measures and the proper safety and handling procedures. Before using, read the Safety Data Sheet (SDS) for the chemical.

Prevent accidental decomposition by keeping the product free of contaminants.

Prevent fires by avoiding accidental spills. Water is the preferred method for extinguishing fires in which hydrogen peroxide is present.

Spills and leaks should be contained, diluted with copious amounts of water and disposed of in compliance with local regulations.

Hydrogen peroxide storage or handling areas should be equipped with a safety shower, an eyewash station, and a water hose.

FIRST AID

In case of product splashing into the eyes and face, treat eyes first.

Eye contact: Flush eyes immediately with water for at least 15 minutes. Call a physician.

Skin contact: Immediately flush skin with water while removing contaminated clothing and shoes. Call a physician if irritation persists.

Inhalation: Remove the victim from the contaminated area to fresh air. Call a physician in case of respiratory symptoms.

Ingestion: Consult with a physician immediately in all cases. DO NOT induce vomiting.

DANGER

Hydrogen peroxide solutions are strong oxidizers and corrosive to the eyes, mucous membranes and skin. Consult the SDS for the appropriate Personal Protective Equipment to wear when handling hydrogen peroxide. In case of contact with the eyes, skin or clothing, flush with large amounts of water for 15 minutes. Product in contact with combustible materials may cause fires.
Before using, read Safety Data Sheet (SDS) for this chemical.

Solvay Chemicals, Inc.
24-hour Emergency Phone Number – 800-424-9300 (CHEMTREC®)

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