HYDROGEN PEROXIDE
OFFLOAD INSTRUCTIONS FOR SOLVAY ISOCONTAINER

INSTRUCTIONS

1. Once the vessel to be offloaded is spotted, wheels chocked, and barricade installed, remove the plastic bag and end cap from the vessel’s chemical offloading hose, rinse the end piece with UPW, connect the chemical hose at the offloading station, and open the manual CHEMICAL outlet valve (if equipped) located inside of the hose box.

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

3. Connect instrument air (80-90 psig recommended) hose to the vessel to operate the air-actuated valves.

4. Open the CHEMICAL outlet actuated valve by turning the handle at the control panel to the open indicated position.

5. Close the VENT actuated valve by turning the handle at the control panel to the closed indicated position.

6. Open NITROGEN (labeled N2) inlet actuated valve by turning the handle on the control panel to the open indicated position.

7. Connect the vessel’s on-board 1-inch nitrogen hose to the receiving site’s 35-40 psig nitrogen supply, and if equipped, open the vessel’s manual nitrogen inlet valve.

8. Initiate nitrogen flow into the vessel.

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 receiving site’s nitrogen header, and (if equipped) close the vessel’s manual nitrogen inlet valve.

11. Using an appropriate bleed, de-pressure the nitrogen hose.

12. Close NITROGEN inlet actuated valve by turning the handle on the control panel to the closed indicated position.

13. Disconnect the 1-inch nitrogen hose and replace the Surpass end-cap.

14. Open the VENT actuated valve by turning the handle at the control panel to the open indicated position.

15. Close the vessel’s CHEMICAL outlet actuated valve by turning the handle at the control panel to the closed indicated position, and close the manual CHEMICAL outlet valve (if equipped) located inside of the hose box.

16. Close the appropriate valves at the site’s offloading station.

17. After opening an appropriate bleed to ensure that the offloading hose is completely depressurized, disconnect the chemical hose at the offloading station, and replace the Surpass end-cap and plastic bag.

18. Disconnect the site’s instrument air hose.
19. Secure the chemical and nitrogen hoses back into the vessel’s hose box using the pictogram as a guide to ensure that the hoses are not damaged.

20. Ensure that the hose box doors are securely latched before relocating the empty vessel.

Note: Please secure the hose properly following an offload. Do not allow the hose to kink as this will lead to contamination and/or leaks. Report and suspected hose damage to Solvay.
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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