

**STORAGE VESSEL INSPECTION AND CLEANOUT PROCEDURE
(ORGANO SULFIDES AND MERCAPTANS)
BASIS: 1000 GALLONS CAPACITY**

1. Empty vessel of liquid, completely.
2. Evaporate as much residual liquid as possible by passing nitrogen through vessel (*bottom-to-top, or end-to end flow as dictated by the nozzle arrangement*) out to flare while keeping vessel warm with steam applied to the shell. Do this for at least four hours.
3. Fill tank until it is approximately half-way full of water.
4. Bleaching: Add 200 gallons of 15 wt.% sodium hypochlorite solution. (*Goggles, face shield and rubber gloves should be worn during this addition*). Fill to overflow with water.
5. Leave the tank vent open to allow gases generated to escape. For best results circulate material with pump for at least four hours. Use pump suitable to handle corrosive material.
6. Drain tank and flush with water. Pyrophoric iron sulfides normally occur in steel tanks and piping used for the subject products. The iron sulfides are inactive when wetted. Therefore, the inside surface of the tank should be kept wet during inspection.

We suggest that you consult with your safety and environmental personnel prior to the proposed treatment, to arrive at a determination of the safety measures to employ, and the capability of your effluent treatment system to handle the treated waste.

For tank entry procedure, consult 29CFR, Section 1910.146.

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