Unloading Toluene Diisocyanate (TDI) Tank Trucks

1. Delivery
   During delivery, consider the following:
   - Spot tank truck, apply brakes, and set wheel chocks
   - Show driver where to find eyewash, safety shower, and fire extinguisher
   - Explain the facility’s emergency procedures
   - Locate the tank truck remote emergency shutoff
   - Verify that the Bill of Lading names TDI as cargo
   - Confirm that the trailer number on Bill of Lading matches number on trailer
   - Review whether Certificate of Analysis matches TDI specification
   - Verify that the correct receiving tank is being used and is in good condition
   - Confirm that the amount on weight ticket will fit in receiving tank

2. Hookup
   During hookup, consider the following:
   - Use personal protective equipment (PPE) specified in product safety data sheet (SDS)
   - Verify that hoses, gaskets and fittings are in good condition
   - Verify that the driver connects hoses to trailer
   - Confirm that the unloading operator connects hoses to facility
   - Secure unloading connections

3. Unloading
   During unloading, consider the following:
   - Comply with DOT attendance requirement. According to 49 CFR§177.834, a qualified person unloading must:
     - Be alert and within 25 feet of tank trailer
     - Maintain an unobstructed view of tank trailer
     - Be trained on product hazards
     - Know emergency response procedures
     - Be authorized to move the trailer, and have the means to do so
   - Properly maintain positive pressure on the trailer
   - Monitor temperature, pressure and level in receiving tank
   - Close all valves when trailer is empty
   - Bleed pressure from all hoses before disconnecting
   - Apply caps, plugs and secure empty trailer for return shipment

Spill Response
   - Call CHEMTREC for 24 hour emergency assistance 1-800-424-9300
   - Consult supplier SDS

For additional information see the supplier’s SDS and the Center for the Polyurethanes Industry (CPI) guidance document, “Guidelines for Receiving and Unloading TDI” available at www.polyurethane.org.

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