# **Unloading Toluene Diisocyanate** (TDI) Rail Cars

# 1. Preparation for Unloading

**GATX 32178** 

FIRE EXTINGUISHER

GATX 32178

#### During delivery, consider the following:

- Unloaders must be trained (49 CFR§172.700)
- Review unloading procedure
- ✓ Locate and check safety shower and eyewash
- Secure rail car and rail track (49 CFR§173.31(g))
- Restrict access to unloading area
- ✓ Verify that the correct receiving tank is being used and is in good condition
- Verify that receiving tank can hold contents of rail car
- Record start level in receiving tank

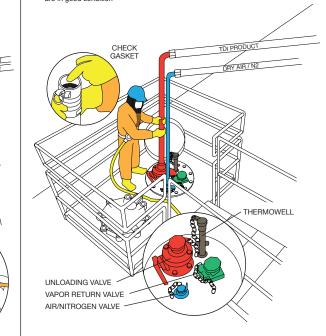
✓ Call CHEMTREC for 24 hour

emergency assistance 1-800-424-9300

# 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 connection to proper receiving
- Secure unloading connections



### 3. Unloading

#### During unloading, consider the following:

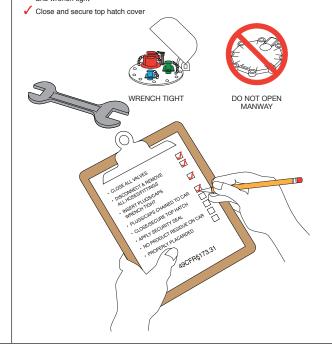
- ✓ Monitor hoses, fittings, and piping for
- ✓ Monitor temperature, pressure, and level in receiving tank
- Maintain positive pressure on rail car
- ✓ Immediately clean up spills TDI PRODUCT ✓ Consult SDS and facility emergency response plan GATX 32178 GATX 32178 142728 POUNDS

90°F

# 4. Returning Empty Car

# When returning empty car, consider the following:

- ✓ Record stop level in receiving tank
- ✓ Maintain positive pad on rail car
- ✓ Do not open manway
- ✓ Ensure <u>all</u> plugs/caps are secured and wrench tight
- Apply security seal
  - ✓ No product residue on outside of rail car (49 CFR§173.24(b)(4))
  - ✓ Complete unloading checklist



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

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