



# M-PINGE 99

Isocyanate Vapor Impingement Presolve

## Product Description



**M-PINGE 99** is a high purity alkanolamin used for removing all types of isocyanates, including TDI after it is set up. Especially useful when no dedicated wash system is available just for isocyanates.

## Uses & Directions



**CHEMICAL USAGE:** 20 Gallons (76L) of M-PINGE 99 removes MDI. When excessive residues remain, more chemical is required. Repeat process beginning with Step 3.

**NOTE:** Chemical expenses can be minimized by re-using the recovered M-PINGE 99.

While the chemical is still hot it can be drained from one tank and pumped into another for the same process. Up to 3 tanks can be treated with the recommended amount.

## Health Hazard Summary



Can cause serious eye irritation, burns, and damage. Prolonged contact may cause severe skin irritation and possible burns. Causes severe irritation and possibly burns to mouth, throat, esophagus, and gastrointestinal system. May cause gastrointestinal discomfort, including nausea, vomiting, diarrhea, etc. Mists or sprays can be moderately to severely irritating to eyes and respiratory tract.

## SOP\*



1. **CAPTURE HEEL:** Open rear discharge valve. Capture any heel for proper disposal.

2. **DRY REMAINING RESIDUE:** The remaining residues will respond better if steamed to setup. Apply live steam to tank for 15 minutes, then blow-dry the tank.

3. **ADD CHEMICAL:** With rear discharge valve closed, pour 20 gallons (76 liters) of John-Henry M-PINGE 99 into tank. Close dome lid but **DO NOT** clamp down. Crack open the Air Charge Valve.

4. **STEAM COILS:** Apply 30 psi (~2 bar) steam to heating coils. Elevate temperature to 260 (127 C), and maintain for 4 hours. Then, turn off steam and allow tank to cool, usually overnight.

5. **OPEN TANK:** Carefully open dome lid, open rear discharge valve and capture the spent MPINGE 99 for disposal. Perform several short-duration cold or hot water rinses.

6. **WASH TANK:** Optionally (if a corporate requirement) detergent wash the tank / Rinse / Dry / Inspect.

\* Assumes that tank wash facility has 2 bar steam available.

## Packaging



55 Gal drum

JCRE7393

**SDS**



| HMIS                |   |
|---------------------|---|
| HEALTH              | 3 |
| FLAMMABILITY        | 2 |
| PHYSICAL HAZARD     | 0 |
| PERSONAL PROTECTION | X |