

## **Ethanolamines/Glycol Ethers**

### **Tier 3 Procedure**

**Section Number:** 7  
**Issue Number:** 1.4  
**Original Date:** 12-03-91      **Author:** Keith B./Bryan A.G.  
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**Title:** Transfer Of N-Butanol From Dv-3 To Dv-103  
**References:** Glossary Of Equipment Identification (Text # 114)

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### **7. Transfer Of N-Butanol From DV-3 To DV-103**

#### **1.0 Objective:**

- 1.1 To maintain raw material level in DV-103 (in block feed tank) through means of a periodic transfer from DV-3 (tank farm storage tank) in a safe and efficient manner

#### **2.0 Responsibility:**

- 2.1 It is the responsibility of the operations supervisor and the senior operations specialist to ensure that this procedure is fully complied with.
- 2.2 It is the responsibility of the senior operations specialist and the operations specialist to adhere to this procedure at all times.

#### **3.0 Special notations:**

- 3.1 N-butanol must be transferred from DV-3 when the level in DV-103 reaches 60%.

#### **4.0 Safety notations:**

- 4.1 Take a radio with you to block five. Always test the radio before leaving the block site (block 55).
- 4.2 A chlorine respirator is required when working at block 5 (storage tank farm).
- 4.3 The safety shower at block five needs to be flushed when you first arrive at DV-3 before any work is done. The supply water line to the shower is dead headed and the water may get very hot and or rusty. A five minute flush should be sufficient, or until the water clears up.

#### **5.0 Procedure:**

- 5.1 The fill valve at DV-103 should stay open to prevent the line from pressuring up. The suction and discharge valves should also be open.
- 5.2 Take a radio and proceed to block five.

5.3 Once at block five, check valving aliment and start P-3.

## 5.0 Procedure: Cont'd.

- 5.4 Call the board person and inform them that you have started the transfer pump and are awaiting confirmation of a level rise in DV-103.
- 5.5 Check P-3 for unusual noises or seal leak. After confirmation of a level rise in DV-103 you may return to the block site (block 55).
- 5.6 After the level in DV-103 reaches 80 to 90%, P-3 can be shutdown from the control room.
- 5.7 Place radio back on the charger.

## 6.0 Revisions:

|                |          |                                                                   |
|----------------|----------|-------------------------------------------------------------------|
| Revision No. 1 | 05-19-93 | Yearly Review                                                     |
| Revision No. 2 | 12-19-94 | Yearly Review                                                     |
| Revision No. 3 | 02-23-95 | Removed requirement for start/stop readings in sections 5.1 & 5.6 |
| Revision No. 4 | 12-29-95 | Yearly Review                                                     |