

Ethanolamines/Glycol Ethers

In Plant Training (IPT)

Section Number :7A

Issue Number :1.2

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Author: Joel Prejean

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Section Test :8

Loading Familiarization

Loading Tank Trucks/Tank Cars/Drums/Low Freeze Grade Product

Answers:

1. **Physically locate:**

- A. The tank car spot(s) where low freeze grade products are loaded.
- B. The tank truck spot(s) where low freeze grade products are loaded.
- C. Drumming area where low freeze grade (LFG) products are loaded.

2. **State what LFG products we load.**

- A. MEA
- B. TEA-85
- C. DEA
- D. TEA-99

3. **State why it is necessary to analyze LFG shipments.**

To fine the exact percent water in the shipment for purposes of meeting specifications.

4. **State the formula for calculating LFG percent water.**

Amount of Karl Fisher X water machine factor
Weight of the product

5. **State what shipment vessels we load with LFG products.**

Tank cars, tank trucks and drums.

6. **State what type water is used in this process.**

Condensate.

7. **State where you would find the information that tells you how much water and product to load on a given shipment.**

The bill of lading and/or the order set.

8. **Demonstrate how to load a low freeze grade order/vessel. Load an actual truck and drums.**

9. Demonstrate how to analyze a low freeze grade sample. Analyze an actual sample.

Revisions:

No. 1	06-16-93	Yearly review
No. 2	12-12-94	Yearly review
	12-12-94	Added "and/or order set" to no. 7
	12-13-95	Yearly review, no changes
	02-22-96	Yearly review, no changes