

Ethanolamines/Glycol Ethers In Plant Training (IPT)

Section Number :2A
Issue Number :1.4
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Revision Date :10-30-97
Section Test :2A

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Basics Safety

1.0 Purpose:

1.1 To familiarize you with the basic safety items needed within Ethanolamines/Glycol Ethers. Upon completion, you will be able to demonstrate use of safety equipment and state the hazards associated with Ethanolamines/Glycol Ethers.

2.0 Resources:

2.1 S&LP standards, safety co-ordinator, other experienced personnel.

3.0 Required level of performance:

3.1 100% correct.

4.0 Objectives:

1. Given the wind direction, explain what action takes place in the event of a hazardous chemical spill from a neighboring plant.

2. State the function and purpose of the following safety equipment:
 - A. Hard hat.
 - B. Safety glasses.
 - C. Respirator.
 - D. Monogoggles.
 - E. Hearing protection.
 - F. Safety harness.
 - G. Steel toed shoes/boots.
 - H. Rubber gloves.
 - I. Phone 333.
 - K. General work gloves

3. State the purpose of the following items:

- A. The spill alarm button.
- B. Phone #333.

4. Demonstrate the proper use of the following:

- A. Scott air pack.
- B. 5 minute escape pack.

5. Explain why you think we have safety showers and demonstrate how to operate one.

6. State some hazards associated with the following:

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|---------------|------------------------|---------------|
| A. MEA | G. Steam | M. Oleic acid |
| B. PM | H. Sulfuric acid | N. Nitrogen |
| C. DPM | I. Potassium hydroxide | O. Ammonia |
| D. EB | J. Methanol | P. Chlorine |
| E. EO | K. Butanol | Q. Noise |
| F. Condensate | L. PO | |

7. Answer the following about the safety standards:

- A. What protective equipment is required for line opening?
- B. What is the purpose of hanging a red tag?
- C. What protective equipment is required for vessel entry?
- D. What accidents/incidents should be reported?
- E. What is the purpose of blue flags on the railroad tracks?
- F. What are the color codes for utility stations?
- G. What are the proper fittings to use with various hoses?

8. State the minimum personal protective equipment required in block 55?

9. Where is smoking allowed in Block 55?

Revisions:

Revision No. 1	06-28-93	Yearly Review
Revision No. 2	12-02-94	Yearly Review
Revision No. 3	11-20-95	Deleted #7 and renumbered.
Revision No.4	10-30-97	Changed word(s) supervisor to co-ordinator