

EMPLOYEE TRAINING RECORD

TRAINING TITLE Hydrogen Sulfide

KEY TEACHING POINTS

EXPOSURE LIMITS

- PEL: 10 ppm STEL: 15 ppm Ceiling: 50 ppm

FIRE AND EXPLOSION DATA

- LEL: 4.3% UEL: 46%
- Extinguish with water spray.

APPARANCE AND COLOR

- A colorless gas with an offensive odor (rotten eggs).
- Detectable above 0.03 ppm. Olfactory fatigue in a few minutes.

REACTIVITY DATA

- Hydrogen sulfide is corrosive to many materials when moist - forms a mild acid in water solution.
- Highly flammable, acidic gas.

HEALTH HAZARD

- Irritant to all moist tissues.

FIRST AID

- Inhalation: Remove to fresh air. Quickly restore and/or support breathing.

RESPIRATORY PROTECTION

- Provide adequate general and local exhaust ventilation.
- Provide air supplied or self-contained breathing equipment for emergency or nonroutine situations where methan level is excessive.

HYDROGEN SULFIDE IS NATURALLY OCCURRING IN WASTEWATER

TEST

| QUESTION | ANSWERS | |
|--|-------------------------------|-------------|
| | TRUE | FALSE |
| 1 The PEL for Hydrogen Sulfide is 10 ppm. | | |
| 2 Any respirator will work with Hydrogen Sulfide. | | |
| 3 You can always tell when you are near Hydrogen Sulfide because it smells like rotten eggs. | | |
| 4 Wear an SCBA or air supplied respirator when working around high levels of Hydrogen Sulfide. | | |
| 5 You can not perform hot work around methane unless you have made sure that the atmosphere is clear first. Hot work permits are required. | | |
| EMPLOYEE'S NAME | EMPLOYEE'S SIGNATURE | DATE |
| INSTRUCTOR'S NAME | INSTRUCTOR'S SIGNATURE | DATE |

1. True 2. False 3. False 4. True 5. True