

Kerry Brennan Environmental and Occupational Health Program Manager Migrant Clinicians Network

This webinar is adapted from the training curriculum Seguridad en las Lecherías: Immigrant Dairy Worker Health and Safety Training developed by the National Farm Medicine Center and Migrant Clinicians Network.

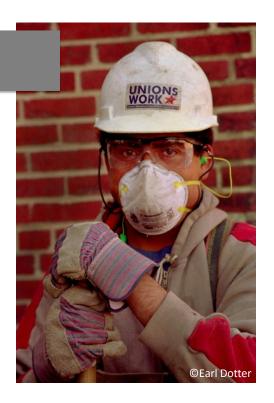






We will learn:

- How workers are exposed to chemicals
- Health effects of chemical exposure
- Basic safety practices
- How community health workers can promote chemical safety at work
- How to train workers about chemical safety





Despite the plant being sealed, the forklifts remained in use

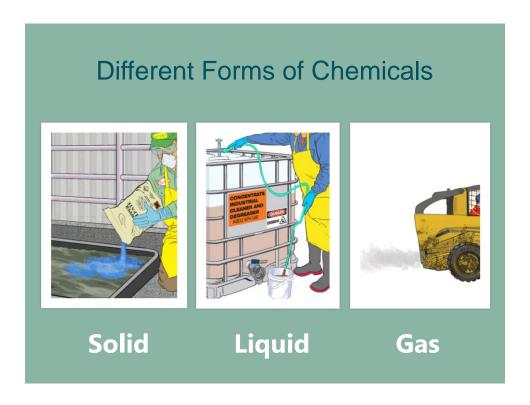












If a worker is exposed to chemicals at work, what types of health effects might they experience?



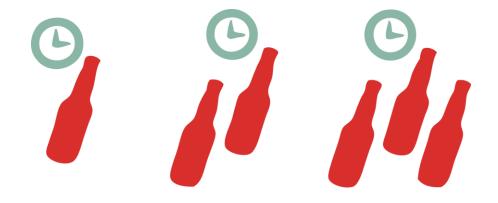
Health Hazard



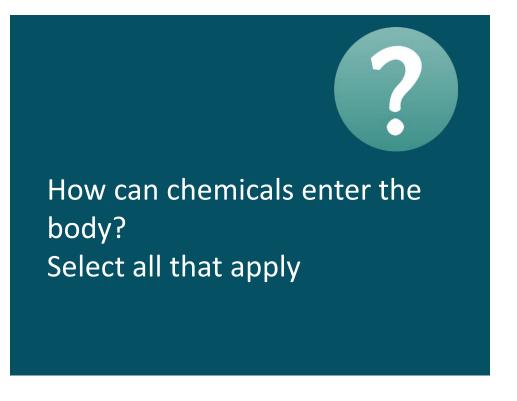


Do you know someone who has been harmed or become ill from working with chemicals?

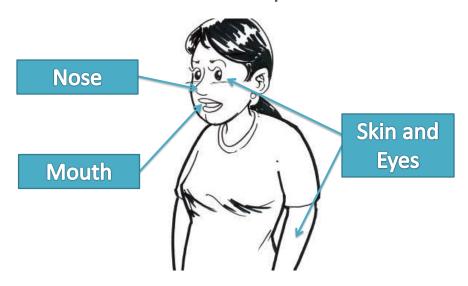




Dose-time relationship



Routes of Exposure



?

Which of the following contributes to the way in which chemicals affect an individual? Select all that apply

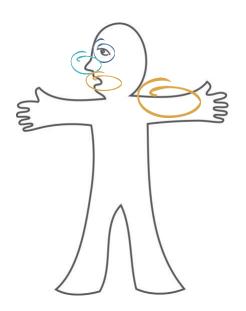
Other factors that impact how chemicals harm you

- Type of chemical
- Gender
- Age
- Health condition





Routes of Exposure





How can workers protect themselves from ammonia exposure?







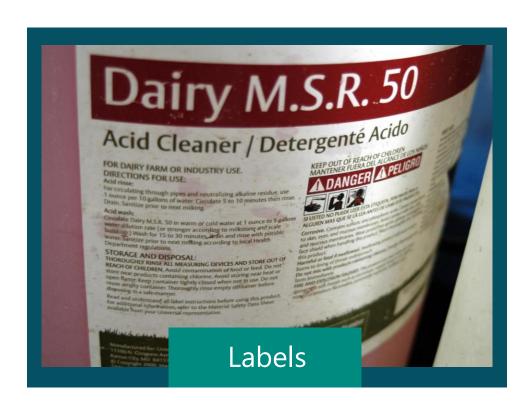
Other common exposures





Workers are required to receive chemical safety training in a language they understand.



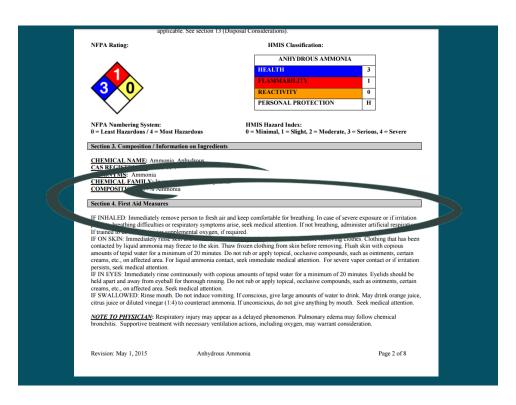




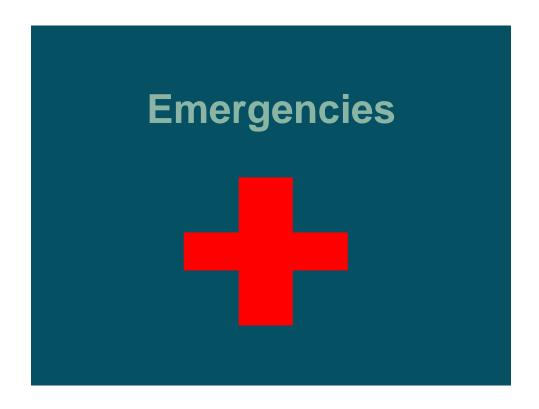


Which of the following information is provided in the Safety Data Sheet?





Section 8. Exposure Controls / Personal Protection OSURE LIMITS FOR AMMONIA: (Vapor) 50 ppm, 35 mg/m³ PEL 8 mg/m³ REL 10 hour TWA 300 ppm, 25 ppm, 35 ppm, IDLH 18 mg / m³ TLV 27 mg / m³ STEL ACGIH 8 hour TWA PROTECTIVE EQUIPMENT: FROTE: IT E COUT MEAN: EXPERIED B PROTECTION: Chemical splash goggles should be worn when handling anhydrous ammonia. A face shield can be worn over chemical splash goggles as additional protection. Do not wear contact lenses when handling anhydrous ammonia. Refer to 29 CFR 1910.133 for OSHA eye protection requirements. SKIN PROTECTION: Ammonia impervious gloves and clothing (such as neoprene, butyl and Teflon) should be worn to prevent contact during normal operations, such as loading/unloading and transfers Chemical boots can be worn as additional protection. RESPIRATORY PROTECTION: Respiratory protection approved by MIOSH for ammonia must be used when applicable safety and health exposure limits are exceeded. For escape in emergencies, MIOSH approved respiratory protection should be used, such as a full-face gas mask and canisters/cartridges approved for ammonia or SCBA. A positive pressure SCBA is required for entry into managed in a state of the state VENTILATION: Local exhaust should be sufficient to keep ammonia vapor below applicable exposure standards. FOR A HAZARDOUS MATERIAL RELEASE RESPONSE: Level A and/or Level B ensemble including positive-pressure SCBA should be used. A positive pressure SCBA is required for entry into ammonia atmospheres at or above 300 ppm (IDLH). gases o vapores inflamables. Deben usarse detectores de gas cuando existe la posibilidad de que se produzcan escapes de gases tóxicos. En los sitios próximos a cualquier posible exposición debe haber regaderas y estaciones de emergencia para lavarse los ojos. plic con todos los reglamentos nacionales y locales. <mark>quipo de protección personal: Anteojos de protección. Guantes. Ropa de protección. Ventilación insuficiente: use protección para</mark>



Call 911

- · Address of the work place
- Condition of sick or injured worker
- Name of the chemical or explanation of the accident



The role of CHWs in promoting chemical safety at work.



How to train workers about chemical safety

- Trainer guide
- Activities
 - ✓ Hand lotion
 - ✓ Games with prizes for the winner
- Demonstrations
 - ✓ Use Personal Protective Equipment
 - ✓ How to put on and take off gloves
 - ✓ How to wash hands
 - ✓ Bring copies of labels and Safety

 Data Sheets



You can do it!

Learn:

- Policies and procedures.
- Risks.
- ▶ How to protect yourself.
- What to do in an emergency.
- Attend trainings.

Use:

- Personal Protective Equipment
- Appropriate clothes and shoes.

Practice:

- Stop, look, and think safely before doing.
- Report any dangers or injuries.





Post test polling questions

Which of the following can contribute to the way in which chemicals affect an individual? Select all that apply.

- a) Body size
- b) Body temperature
- c) Age
- d) Duration of exposure

Workers are required to receive chemical safety training in a language they understand.

- True
- False

Which of the following information is provided in the Safety Data Sheets?

- a) First Aid measures
- b) Handling and storage
- c) Symptoms of exposure
- d) Instructions for disposal
- e) All of the above

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Resources

- Safety and Health on the Farm- It's your right and It's the Law
- OSHA webpage- Hazard Communication Standard







Thank you for your participation

Contact Information:

Kerry Brennan 512.579.4536 kbrennan@migrantclinician.org







References

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