


Section: **ALS Hazardous Materials**  
Subject: **ADULT CHEMICAL TREATMENT GUIDE 6A: PINK**  
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1. Covered Substances
  - a. Ethylene Glycol
  - b. Methanol
2. Signs and Symptoms
  - a. Ethylene Glycol exposure (poisoning is described in three phases):
    - i. Phase 1 (30 minutes to 12 hours) – ethanol like inebriation, metabolic acidosis, seizures, and coma.
    - ii. Phase 2 (12 to 36 hours) – tachycardia, tachypnea, hypertension, and pulmonary edema.
    - iii. Phase 3 (36 to 48 hours – crystalluria, acute tubular necrosis with oliguria and renal failure.
  - b. Methanol exposure:
    - i. Cardiovascular – dysrhythmias and hypotension.
    - ii. Respiratory – Insufficiency or arrest, pulmonary edema, chemical pneumonitis, and bronchitis.
    - iii. CNS – Depression and coma, seizures, headache, muscle weakness, and delirium.
    - iv. GI – Bleeding, nausea / vomiting, and diarrhea.
    - v. Eyes – Chemical conjunctivitis.
    - vi. Skin – Mild irritation to full thickness burns.
3. General Supportive Care
  - a. Ensure that personnel are using appropriate PPE.
    - i. Obtain HIT assistance if needed.
  - b. Decontamination:
    - i. Remove the patient from the hazardous area.
      1. If victims can walk, lead them out of the Hot Zone to the Decon Zone.
      2. Victims who are unable to walk may be removed on backboards or gurneys; if these are not available carefully drag victims to safety.
      3. Consider appropriate management of chemically contaminated children, such as measures to reduce separation anxiety.
    - ii. Victims who are able may assist with their own decontamination.
      1. Remove contaminated clothing while flushing exposed areas.
      2. Double-bag contaminated clothing and personal belongings.
  - c. If indicated, irrigate exposed or irritated eyes with plain water or saline for at least 5 minutes.
  - d. Initiate medical / trauma supportive care as indicated.
  - e. Contact Poison Information Center (1-800-222-1222).
4. Paramedic Level Care
  - a. For seizures, follow appropriate HCFR protocol.
  - b. If dysrhythmias develop, treat with the appropriate HCFR Standing Order.