

Hydrogen Sulfide

1. **Identification** – the substance has been positively identified
2. **Medical Control** – On-line medical control has been established with Mercy Medical Center and if needed the local receiving facility
3. **Rescuer Safety** – The victim is thoroughly decontaminated and EMS personnel are in a safe environment
4. **Supportive Care** – Basic and advanced life support measure are secured before consideration of antidotal therapy. This might include high flow oxygen
5. **Assessment** – The victims symptoms are appropriate for the toxin. Coughing, choking, or wheezing may be present
6. **HAZMAT DRUG ADMINISTRATION**
 - a. **Amyl Nitrite** – One ampule of Amyl Nitrite should be broken, poured on a gauze pad, and held under the patient’s nose – 30 second exposure followed by 30 second rest; cycle repeated with another ampule until Sodium Nitrate can be administered to a maximum of four cycles. (Protect your hands with gloves.) This may be administered to an intubated patient if spontaneously breathing. If not, ampules of Amyl Nitrate may be placed inside the bag-valve-mask. May need to use two bag-valve-masks to give the 30 second rest.
 - b. **Sodium Nitrate** – Stop Amyl Nitrite administration. Administer 300 mg of Sodium Nitrite (10 ml of 3% solution) intravenously over 2 – 5 minutes.

(SODIUM THIOSULFATE IS NOT ADMINISTERED IN THIS PROTOCOL)

7. **Ongoing assessment**
8. **Continued contact with medical control**

Steve Stroman, MD, FACEP, FAAEM, EMT-P Medical Director, Oshkosh Fire Dept
