

## HAZARDOUS MATERIALS EMERGENCIES

### Pesticides – Carbamates and Organophosphates **H3**

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#### PESTICIDES – CARBAMATES AND ORGANOPHOSPHATES

1. Ensure provider safety - serious hazard prior to decontamination due to the ability of these chemicals to be absorbed through intact skin.
2. **DO NOT INDUCE VOMITING**
3. Ensure a patent airway
  - **OXYGEN** – high flow. Be prepared to support ventilations as needed
4. Irrigate injured eyes
5. Cardiac monitor
6. Consider:
  - **IV ACCESS TKO**
7. Transport
8. Consider:
  - **ATROPINE** 1-2 mg IV repeat as necessary until relief of symptoms. Large doses of Atropine may be required.
9. **Contact Base Hospital is any questions or if additional therapy is required**

Background - These products are widely used in home gardening and commercial agriculture.

Signs and Symptoms - Hypersalivation, sweating, bronchospasm, abdominal cramping, diarrhea, muscle weakness, small/pinpoint pupils, muscle twitching, and/or seizures may occur. Death is due to respiratory muscle paralysis.

Dizziness, nausea and vomiting, headache, and upper airway irritation (after inhalation exposure), may be from the petroleum based solvent, and not due to cholinesterase inhibition from the carbamate or organophosphate exposure.

Decontamination PRIOR to EMS management - If *LIQUID* contaminant remove clothing and flush for 1 to 2 minutes - if *SOLID* or *POWDER* contaminant, brush powder off victim, then flush for 1 to 2 minute.

Secondary contamination - Serious hazard prior to decontamination due to the ability of these chemicals to be absorbed through intact skin.