

**Washtenaw/Livingston MCA, HEMS MCA**  
**System Protocols - Hazardous Materials Medical Response Team**  
**ASPHYXIANTS - SIMPLE**

Date: April 24, 2019

Section 11-3

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***Asphyxiants - Simple***

FORMS: Carbon Dioxide (CO<sub>2</sub>), Nitrogen, Helium, Methane and Propane Gas

ROUTES OF EXPOSURE: Inhalation displaces oxygen in the normal environment causing hypoxia, hypercapnia or other potentially incapacitating condition.

SIGNS AND SYMPTOMS:

**CNS:** Altered mental status, stupor, lethargy and coma.

**Cardiorespiratory:** Respiratory or cardiopulmonary arrest due to hypoxia.

**Pre-Medical Control**

PARAMEDIC

1. Follow **General HAZMAT Treatment** protocol.
2. Administer oxygen 10-15 L via non-rebreather mask or BVM.
3. Follow **Emergency Airway Procedure**.