



**Oakland County Medical Control Authority**  
**Special Response Protocols - Hazardous Materials**  
**Medical Response Team**  
**ASPHYXIANTS - SIMPLE**

Initial Date: September 2022  
Revised Date: 9/14/2023

Section 10.102

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***This Protocol is intended for use by a hazardous materials response team.***

***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, hypercapnea 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 **10.100 General HAZMAT Treatment** protocol.
2. Administer oxygen 10-15 L via non-rebreather mask or BVM.
3. Follow **7.9 Airway Management Procedure**.