

**Washtenaw/Livingston MCA, HEMS MCA**  
**System Protocols - Hazardous Materials Medical Response Team**  
**HYDROCARBONS AND HALOGENATED HYDROCARBONS**

Date: April 24, 2019

Section 11-8

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***Hydrocarbons and Halogenated Hydrocarbons***

Hydrocarbons: Methane, Propane, Gasoline, Mineral spirits, Kerosene, Turpentine, and Pine tar

Halogenated hydrocarbons: Chloroform, Ethyl Chloride, Methylene Chloride, and Trichloroethane

FORMS: Gas and liquid

ROUTES OF EXPOSURE: Skin and eye, inhalation, ingestion.

SIGNS AND SYMPTOMS:

**CNS:** Stupor, lethargy and coma. Seizures may be present.

**Eye:** Chemical conjunctivitis with vapors, irritation or corneal injury with liquids.

**Cardiovascular:** Arrhythmias and hypotension.

**Respiratory:** Respiratory depression.

**Skin:** Chemical burns with prolonged contact.

**Pre-Medical Control**

**PARAMEDIC**

1. Follow **General Hazardous Materials Treatment** protocol.
2. Administer oxygen 10-15 L via non-rebreather mask if inhalation exposure.
3. Place the patient on cardiac monitor.
4. Monitor level of consciousness for possible deterioration.
5. Wash patient with mild soap/detergent and large quantities of water, for at least 15 minutes.
6. Follow **HAZMAT Eye Irrigation** protocol if necessary.