



## Material Safety Data Sheet

### Product Name

Lumigen® APS-5

### Manufacturer

Lumigen, Inc.  
22900 W. Eight Mile Road  
Southfield, Michigan 48033  
Telephone: (248) 351-5600

### Composition/Information on Ingredients

Lumigen® APS-5 is a multi-component mixture in water solution.

#### Hazardous Components

Tris(hydroxymethyl)aminomethane

CAS Number

77-86-1

OSHA PEL

No

### Hazards Identification

**Acute Effects:** May be harmful if absorbed through skin or swallowed.

**Chronic Effects:** Unknown

### First Aid Measures

**Eye or Skin Contact:** Flush with water (at least 15 minutes for eyes) and remove contaminated clothing and shoes.

**Ingestion:** Immediately seek medical attention.

### Fire Fighting Measures

**Extinguishing Media:** Noncombustible, use extinguishing media appropriate to surrounding fire conditions.

**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus.

**Special Fire and Explosion Hazards:** Not expected to present a significant hazard.

### Accidental Release Measures

Cover with absorbent material, pick up and store in a closed container for waste disposal. Wash spill site after material pickup is complete.

### Handling and Storage

Keep tightly closed and store at 2-8 °C. Do not expose to strong light. Bring to room temperature before opening.

### Exposure Controls/Personal Protection

**Personal Protective Equipment:** Use protective eyewear, chemical-resistant gloves and lab coat.

**Work/Hygienic Practices:** Do not get in eyes, on skin, on clothing; wash thoroughly after handling.

### Physical/Chemical Characteristics

**Appearance:** Colorless liquid

**Boiling Point:** Approx. 100°C

**Density:** 1.0 g/mL

**pH:** 9.35 +/- 0.05 at 25 °C

**Evaporation Rate:** Similar to water

### Stability and Reactivity

**Incompatibility:** Strong oxidizing and reducing agents. Protect from light.

**Hazardous Decomposition Products:** When stored as labeled, no known hazardous decomposition products are formed.

### Toxicological Information

This product has not been tested as a whole to determine its hazards.

### Ecological Information

Do not flush to surface water or sanitary sources.

### Disposal Considerations

Treatment, storage and transportation must comply with all Federal, State and Local laws.

### Transport Information

Transportation must comply with all Federal, State and Local laws.

**Regulatory Information**

This substance is not listed on the TSCA Inventory of Commercial Substances, and therefore may be used only for scientific experimentation and analysis or for research and development under the supervision of a technically qualified individual.

**Other Information**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Lumigen, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.