



Material Safety Data Sheet

Product Name

Lumigen® Triggering Solution

Manufacturer

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

Composition/Information on Ingredients

<u>Hazardous Components</u>	<u>CAS Number</u>	<u>OSHA PEL</u>
Dimethyl sulfoxide	67-68-5	No
Tetra-n-butylammonium fluoride hydrate	22206-57-1	No

Hazards Identification

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

Routes of Entry: Inhalation, ingestion, skin absorption

Acute: Harmful if inhaled, swallowed or absorbed through skin.

Chronic: May cause congenital malformation in the fetus. May cause reproductive disorders.

Carcinogenicity: Not listed by NTP, IARC Monographs or OSHA.

Signs and Symptoms of Exposure: Burning or irritation of the eyes, nose and throat; headache, dizziness, nausea.

First Aid Measures

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

Inhalation: Remove victim to fresh air, perform artificial respiration if needed. **Ingestion:** Seek immediate medical attention.

Fire Fighting Measures

Flash Point: 70°C

UEL: 17.4%

LEL: 1.5%

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: Combustible liquid

Accidental Release Measures

Do not breathe vapor. Use chemical-resistant gloves to absorb on sand or vermiculite and place in closed containers for disposal. Ventilate spill area and wash spill site after material pickup is complete.

Handling and Storage

Keep tightly closed and store in a cool, dry and dark place. Forms explosive peroxides on prolonged storage.

Exposure Controls/Personal Protection

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

Work/Hygienic Practices: Do not breathe vapor. Avoid prolonged or repeated exposure. Do not get in eyes, on skin, on clothing; wash thoroughly after handling.

Physical/Chemical Characteristics

Appearance and Odor: Colorless liquid with characteristic odor of DMSO.

Boiling Point : 189 °C

Solubility: Soluble in water and all common solvents.

Stability and Reactivity

Incompatibility: Strong oxidizing agents, strong acids and strong bases

Hazardous Decomposition or Byproducts: Carbon dioxide, carbon monoxide

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.