

# Material Safety Data Sheet (MSDS) for LumiGLO® Reagent and Peroxide



166B Cummings Center ■ Beverly, MA 01915

Orders ■ 877-616-CELL (2355) orders@cellsignal.com

Support ■ 877-678-TECH (8324) info@cellsignal.com

Web ■ www.cellsignal.com

## I. Identification

**Product name:** 20X LumiGLO® Reagent and Peroxide

**CAS number:** N/A

**Catalog number:** 7003

## II. Physical Data

**Appearance:** Clear to faint yellow colored solution.

**Melting or Freezing point:** <0°C/32°F (water)

**Boiling Point:** >100°C/212°F (water)

**Solubility in water:** Dilutable

## III. Ingredients

**20X LumiGLO®:** Contains ≤20.0% weight % Dimethylsulfoxide (CAS number 67-68-5). This product is a mixture that may contain one or more hazardous chemicals. The hazardous ingredients listed above are only those as required by 29 CFR 1910. 1200 g 2.C1.

**Peroxide:** Reagent is not considered to be a hazardous product. It contains less than 1.0% hazardous chemical and less than 0.1% carcinogenic chemical.

## IV. Fire and Explosion Hazard Data

**Extinguishing media:** CO<sub>2</sub>, dry chemical.

**Special fire fighting procedures:** If involved in fire, don NIOSH/MSHA-approved self-contained breathing apparatus, flame/chemical resistant.

**Unusual fire and explosion hazards:** May emit toxic fumes under fire conditions.

## V. Health Hazard Data

**Threshold Limit Value (TLV) and source:** Data not available.

**Acute effects of overexposure:** To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

**Swallowing:** May be harmful if swallowed.

**Skin absorption:** May be harmful if absorbed through the skin.

**Inhalation:** May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

**Skin contact:** May be harmful.

**Eye contact:** May cause eye irritation.

**Chronic effects of overexposure:** May be harmful.

### Emergency and First Aid Procedures

**Swallowing**—Wash out mouth with water, provided person is conscious. Call a physician.

**Skin**—In case of contact, immediately wash skin with soap and copious amounts of water.

**Inhalation**—If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Eyes**—In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. Consult a physician.

## VI. Reactivity Data

**Stability/Conditions to avoid:** Not reactive as far as is known.

**Incompatibility/Materials to avoid:** Strong oxidizing agents, acid chlorides, acid anhydrides.

**Combustion/Decomposition products:** Carbon monoxide, carbon dioxide, sulfur oxides.

**Hazardous polymerization:** Not susceptible to polymerization.

## VII. Spill or Leak Procedures

**Steps to be taken if material is spilled or released:** Wear self-contained breathing apparatus, rubber boots and rubber gloves. Use Vermiculite or another suitable absorbent to clean up spill, place in a suitable closed container for disposal, then wash down spill site.

**Waste disposal method:** Dissolve the material in a combustible solvent and burn in an EPA-licensed chemical incinerator equipped with an after-burner and scrubber.

## VIII. Special Protection Information

**Respiratory protection:** Avoid inhalation. Use NIOSH/MSHA-approved respirator.

**Ventilation:** Use mechanical exhaust.

**Protective equipment:** Wear suitable protective clothing, chemical resistant gloves and lab safety glasses.

## IX. Special Precautions

**Handling and storage:** Store at 4°C.

**Precautions to be taken in handling and storage:** This compound is sold only for research use by personnel familiar with the toxicology of organic chemicals and who are well trained in good laboratory habits, such as avoiding spills, keeping hands clean at all times and not rubbing eyes with hands while working in the laboratory.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for experienced personnel. Cell Signaling Technology, Inc., shall not be held liable for any damage resulting from the handling of or from contact with the above product. The burden of safe use of this material rests entirely with the user.

Revised: April 2001

LumiGLO® is a registered trademark of Kirkegaard & Perry Laboratories.