

## Safety Data Sheet (SDS)

8/26/2024: File reviewed, more current MSDS/SDS not available. CAS

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

## Energetic Light Solution

Signal Word  
**WARNING**

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

Chemtrec Emergency Phone Number: (800) 424-9736

Pictograms

**SECTION 2 — HAZARDS IDENTIFICATION**

Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2B). Causes skin and eye irritation (H315+H320).

**SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS**

Component Name	CAS Number	Formula	Formula Weight	Concentration
Sodium hydroxide	1310-73-2	NaOH	39.997	<1 %>
Fluorexon	1461-15-0	C <sub>30</sub> H <sub>26</sub> N <sub>2</sub> O <sub>13</sub>	622.55	<0.1%>
Fluorescein	518-47-8	C <sub>20</sub> H <sub>10</sub> Na <sub>2</sub> O <sub>5</sub>	376.26	<0.1%>
Hydroxyethyl cellulose	9004-62-0	Unspecified	Unspecified	3-5%
Luminol	521-31-3	C <sub>8</sub> H <sub>7</sub> N <sub>3</sub> O <sub>2</sub>	177.17	<0.1%>
Water	7732-18-5	H <sub>2</sub> O	18.00	93.7-95.7%

**SECTION 4 — FIRST AID MEASURES**

Call a POISON CENTER or physician if you feel unwell.

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing.**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

**If on skin:** Wash with plenty of water.

**If swallowed:** Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

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## SECTION 5 — FIRE FIGHTING MEASURES

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Nonflammable, noncombustible solution.

**NFPA Code**

In case of fire: Use a tri-class dry chemical fire extinguisher.

None established

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Ventilate area. Contain the spill with sand or absorbent material and deposit in a sealed bag or container. See Sections 8 and 13 for further information.

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## SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic #4. Store with dyes, indicators and stains.

Light sensitive. Store in a cool, dry place away from light.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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Brown, translucent liquid. Odorless.

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## SECTION 10 — STABILITY AND REACTIVITY

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Avoid contact with acids and oxidizers. Avoid exposure to light.

Shelf life: Fair, light sensitive. See Section 7 for further information.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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Acute effects: Toxic, sensitizer.

ORL-RAT LD<sub>50</sub>: N.A.

Chronic effects: N.A.

IHL-RAT LC<sub>50</sub>: N.A.

Target organs: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

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## SECTION 12 — ECOLOGICAL INFORMATION

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Data not yet available.

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #26b is one option.

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## SECTION 14 — TRANSPORT INFORMATION

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Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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## SECTION 15 — REGULATORY INFORMATION

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Not listed.

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## SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated.

N/A = Not applicable

**Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.**

**Revision Date:** March 28, 2016

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