

Material Safety Data Sheet

acc. to OSHA and ANSI

Date/revised: 02/05/2007

Version 3.02

• **1 Identification of substance:**

- **Product details:** Plastic article containing luminescer and activator components.
- **Product name:** Light stick
- **Manufacturer/Supplier:**

AmeriGlo
31 Waterloo Avenue
Berwyn, PA 19312
Web Site: www.ameriglo.com

• **2 Composition/Data on components:**

- **Chemical characterization:**

Description: (CAS#)

Dimethyl phthalate (CAS# 131-11-3): 84.0-90.0 %
CPPO (CAS# 75203-51-9): 2.50-6.86 %
Dye (e.g. 9,10-Bis(phenylethynyl)anthracene CAS# 10075-85-1): 0.04-0.10 %
2-Methyl-2-propanol (CAS# 75-65-0): 2.44-10.40 %
Hydrogen Peroxide (CAS# 7722-84-1): 0.60-3.06 %

• **3 Hazards identification**

- **Hazard description:** No specific hazard
- **Information pertaining to particular dangers for man and environment**
None specified
- **Classification system**
- **HMIS ratings (scale 0-4)**

(Hazardous Materials Identification System)

Health (acute effects) = 0

Fire = 1

Reactivity = 0

• **4 First aid measures**

• **General advice**

Remove contaminated clothing.

• **After inhalation**

Remove to fresh air. Seek medical advice if symptoms persist.

• **After skin contact**

Wash with water and soap and rinse thoroughly.

• **After eye contact**

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

• **After swallowing**

Rinse out mouth and drink plenty of water. If unusual symptoms are observed, seek medical advice.

• **5 Fire fighting measures**

• **Suitable extinguishing agents**

Use carbon dioxide, extinguishing powder or foam.

• **Special hazards caused by the material, its products of combustion or resulting gases:**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

• **6 Accidental release measures**

• **Person-related safety precautions:**

Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

• **Measures for environmental protection:**

Take precautions to ensure product does not enter the drainage system.

• **Measures for cleaning/collecting:**

Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

• **Additional information:**

See Section 7 for information on safe handling.

See Section 13 for disposal information.

• **7 Handling and storage**

- **Handling**
- **Information for safe handling:**
Chemicals should be used only by those trained in handling potentially hazardous materials.
Rubber gloves, eye protection and protective clothing should be worn.
- **Information about protection against explosions and fires:**
Keep ignition sources away.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
No special requirements.
- **Information about storage in one common storage facility:**
Do not store together with strong oxidizing agents.
Do not store together with strong acid.
- **Further information about storage conditions:**
Store in cool, dry conditions.

- **8 Exposure controls and personal protection**

- **Respiratory:**
Avoid in halation of product.
- **Protection of hands:** Avoid unnecessary skin contact. Wear rubber gloves.
- **Eye protection:** Avoid eye contact. Wear safety spectacles or goggles.
- **Body protection:** Avoid unnecessary skin contact. Wear protective clothing.

- **9 Physical and chemical properties:**

- **General Information**
- **Appearance:**
Article consisting of plastic tube or shape containing glass ampoule with luminescer and activator components.
- | | Value/Range | Unit | Method |
|--|-------------|-------------------|------------------|
| • Change in condition | | | |
| • Boiling point/Boiling range: | >340 | ° C | |
| • Flash point: | >61 | ° C | (closed cup) |
| • Danger of explosion:
Product does not present an explosion hazard. | | | |
| • Density: | 1.1-1.2 | g/cm ³ | |
| • Solubility in / Miscibility with | | | |
| • Water: | | | Slightly soluble |

- **10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**

Decomposition will not occur if used and stored according to specifications.

- **Polymerization**

Will not occur.

- **Materials to be avoided:**

Strong acids

Strong oxidizing agents

- **Dangerous reactions** No dangerous reactions known

- **Dangerous products of decomposition:** Carbon monoxide and carbon dioxide

- **11 Toxicological information**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Oral: LD50: >5000 mg/kg (rat)

Dermal: LD50: >5000 mg/kg (rabbit)

- **Primary irritant effect:**

- **on the eye:** Direct contact with this material may result in minimal eye irritation.

- **Sensitization:** No sensitizing effects known.

- **12 Ecological information:**

- **General notes:**

Take care to prevent chemicals from entering the ground, water courses or drainage systems.

- **13 Disposal considerations**

- **Product:**

- **Recommendation**

Must be dumped or incinerated in accordance with local regulations.

- **14 Transport information**

Not classified as hazardous under transport regulations.

- **DOT regulations:**

- **Hazard class:** None

- **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** None
- **Maritime transport IMDG:**
- **IMDG Class:** None
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** None
- **Transport/Additional information:**
Not dangerous according to the above specifications.

- **15 Regulations**

- **Product related hazard information:**
No specific hazard

- **16 Other information:**

It must be recognized that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.