

Section 1: Identification

Product Identifier: Activated Chemiluminescent Device - All Colors Visible and Infrared

Synonyms: N/A

Chemical Abstracts Registry Number: N/A

REACH Registration Number: Pending

Identified uses: Chemical lighting

Supplier/Manufacturer: Cyalume Technologies, Inc.
96 Windsor St.
West Springfield, MA 01089
USA
1-888-858-7881

e-mail: info@cyalume.com

Emergency contact Chemtrec: 1-800-424-9300

Section 2: Hazards Identification**Classification of the substance or mixture**

OSHA Haz Com: CFR 1910.1200: Flammable Liquids [Category 4],
Acute Toxicity ó Oral [Category 4], H302
Skin Corrosion/Irritation [Category 2], H315
Eye Irritation [Category 2A], H319
Respiratory Irritation [Category 3], H335

GHS Label elements, including precautionary statements

Signal Word: Warning!

Pictograms or Symbols:

**Precautionary Statements:**

[Prevention] P233-Keep container tightly closed.

- P261-Avoid breathing dust/fume/gas/mist/vapors/spray.
 P271-Use only outdoors or in a well-ventilated area.
 P280-Wear protective gloves/eye protection/face protection.
- [Response]** P303+P361+P353-IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338- IF IN THE EYES-Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P312-Call a Poison Center or doctor/physician if you feel unwell.
 P313-If skin irritation occurs: Get medical attention/advice.
 P337- If eye irritation persists: Get medical attention/advice.
- [Storage]** P403+P235-Store in a well-ventilated place. Keep cool.
- [Disposal]** P501-Dispose of contents/container through a waste management company authorized by the local government.

Hazards not otherwise classified (HNOC) or covered by GHS – none known

Section 3: Composition/Information on Ingredients

Component	CAS Number	Weight %
Polyethylene (case)		40-60
Glass		4-10
Butyl Benzoate	136-60-7	0-20
Glycerol Tribenzoate	614-33-5	0-5
Propylene glycol dibenzoate	19224-26-1	0-20
Pentyl 2,3,5-trichloro-6-hydroxybenzoate	30431-53-9	0.6-8
One or more dyes		0-0.2
Triethyl citrate	77-93-0	7-12
Water	7732-18-5	0.5-1.4
Sodium salicylate	54-21-7	0.002-1.3

Section 4: First-Aid Measures

Eye: In case of eye contact, immediately irrigate with plenty of water for 15 minutes.

Skin: In case of skin contact wash affected areas of skin with soap and water.

Inhalation: If inhaled, move person to fresh air.

Ingestion: Rinse mouth with water.

Immediate medical attention:

Warning: It might be hazardous to the person providing aid to give mouth-to-mouth respiration, because the inhaled material is harmful. If breathing has stopped, perform artificial respiration. Use first

aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5: Firefighting Measures

Suitable Extinguishing Media: Use water spray, carbon dioxide or dry chemical to extinguish fires.

Fire Fighting Procedures: Use water to keep containers cool. Wear self-contained, positive pressure breathing apparatus.

Unusual Fire and Explosion Hazards: N/A

Combustion Products: Materials which on exposure under fire conditions would offer no hazard beyond that of ordinary combustible material.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Methods and materials for containment and cleaning up: Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, sawdust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

Section 7: Handling and Storage

Handling: Do not get in eyes, on skin or on clothing. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.

Storage: Store in tightly closed containers in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles. Keep containers tightly closed and upright when not in use. Protect against physical damage.

Section 8: Exposure Controls/Personal Protection

Exposure Limits: Contains no substances with occupational exposure limit values.

Engineering Controls: Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thoroughly.

Personal Protective Equipment:

Respiratory protection: Work outdoors or in a well-ventilated area. If in a confined area, use a MSHA/NIOSH approved respirator or equivalent.

Hand Protection: Wear protective gloves.

Eye Protection: Wear safety glasses.

Skin and Body Protection: Wear a lab coat.

Section 9: Physical and Chemical Properties

Odor/Appearance: Article consisting of plastic tube or shape containing broken glass and liquid.

Melting/freezing point: 248°F (120°C) (polyethylene casing)

Boiling point: not available

Vapor pressure: not available

Flashpoint: >200°F (>93°C) Closed cup

Autoignition temperature: >400°F (>204°C) at 760 mm Hg

Vapor Density(Air=1): Not Available

% Solubility in Water: Insoluble

Pour Point: Not Available

Lower Flammability Limit: Not Available

Upper Flammability Limit: Not Available

Specific Gravity: Not Available

% Volatile: Negligible

Evaporation Rate (Water=1): 5(Butyl Acetate =1)

Viscosity: Not available

pH: N/A

Molecular Formula: Mixture

Molecular Weight: Mixture

Section 10: Stability and Reactivity

Stability/Incompatibility: Stable. Avoid strong oxidizers.

Hazardous Reactions/Decomposition Products: Thermal decomposition products may include oxides of carbon and nitrogen.

Section 11: Toxicological Information

Signs and Symptoms of Overexposure: Irritation.

Acute Effects: Irritation.

Eye Contact: May cause irritation.

Skin Contact: May cause irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause irritation of the digestive tract.

Target Organ Effects: None known.

Chronic Effects: Chronic exposure may cause blood effects. Exposure to high concentrations may cause central nervous system depression. Medical Conditions Aggravated by Exposure: None known.

Acute Toxicity Values

Oral LD50 (Rat) = Not Available

Dermal LD50 (Rabbit) = Not Available

Inhalation LC50 (Rat) = Not available

Section 12: Ecological Information

Not available

Bioaccumulation is not expected to be significant.

Section 13: Disposal Considerations

Offer surplus and non-recyclable solutions to a licensed disposal company.

Section 14: Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

International Maritime Organization (IMDG)

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

IATA

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

Section 15: Regulatory Information

U.S. Federal Regulations

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): N/A

Toxic Substances Control Act (TSCA): All components of this product are included on the TSCA inventory.

Clean Water Act (CWA): Consult Federal, State and local regulations for specific requirements.

Clean Air Act (CAA): Consult Federal, State and local regulations for specific requirements.

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No Components Listed

Pennsylvania Right To Know Components

Polyethylene (case)

Glass

Butyl Benzoate 136-60-7

Pentyl 2,3,5-trichloro-6-hydroxybenzoate 30431-53-9

Triethyl citrate 77-93-0

Water 7732-18-5

Sodium salicylate 54-21-7

New Jersey Right To Know Components

Polyethylene (case)

Glass

Butyl Benzoate 136-60-7

Pentyl 2,3,5-trichloro-6-hydroxybenzoate 30431-53-9

Triethyl citrate 77-93-0

Water 7732-18-5

Sodium salicylate 54-21-7

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

Health: 2

Flammability: 1

Reactivity: 0

Revision Indicator: Convert to SDS format.

Disclaimer: The information contained herein is accurate to the best of our knowledge. My Company makes no warranty of any kind, express or implied, concerning the safe use of this material in your process or in combination with other substances.

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One or more dyes		0-0.2
Triethyl citrate	77-93-0	7-12
Hydrogen peroxide	7722-84-1	0.5-1.0
Water	7732-18-5	0.2-0.4
Sodium salicylate	54-21-7	0.002-1.3

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UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

International Maritime Organization (IMDG)

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN/NA Number: N/A

Packing Group: N/A

Labels Required: N/A

IATA

Proper Shipping Name: Not Regulated

Hazard Class: Not Regulated

UN/NA Number: N/A

Packing Group: N/A

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SARA 311/312 Hazards

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No Components Listed

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Glass

Butyl Benzoate 136-60-7

Glycerol Tribenzoate 614-33-5

Propylene glycol dibenzoate 19224-26-1

Bis(2,4,5-trichloro-6-carbopentoxyphenyl)oxalate 75203-51-9

Triethyl citrate 77-93-0

Hydrogen peroxide 7722-84-1

Water 7732-18-5

Sodium salicylate 54-21-7

New Jersey Right To Know Components

Polyethylene (case)

Glass

Butyl Benzoate 136-60-7

Glycerol Tribenzoate 614-33-5

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