

Cyalume Technology, Inc. 96 Windsor Street West Springfield, MA 01089 Tel: (413) 739-8252

MATERIAL SAFETY	Z DATA	MSDS	No. 6002		e: 3/30/06 erced es: N/A		
PRODUCT IDENTIFICATION				"ACTIVATED" Chemiluminescent Product (Conventional Oxalate Component) All Colors			
				15" Lightstick, Speculite® Lightstick, Mini Lightsticks type B & E, Slide Light			
				Plastic article containing chemiluminescer and activator components Mixture			
	MOLECULAR WEIGHT:		М	Mixture			
COMPOSITION	<u>Compo</u> Polyethylene Glass Chemiluminesc Activator		90 	<u>C.A.S.</u> 002-88-4 	<u>#</u> 35-56% 0-10% 27-50% 7-11%	-	
OSHA REGULATED COMPONENT S	COMPONENT tert-Butyl alcohol Dibutyl phthalate Dimethyl phthala Hydrogen peroxid	te	CAS. NO. 75-65-0 84-74-2 131-11-3 7722-84-1	Weight % 0.8-1.3% 23.0-47.0% 5.0-8.0% 0.2-0.3%	TWA/CEILING 100 ppm 150 ppm 5 mg/m³ 5 mg/m³ 1.4 mg/m³	REFERENCE OSHA/ACGIH STEL OSHA/ACGIH OSHA/ACGIH OSHA/ACGIH	
NFPA HAZAR D <u>occur.</u> RATING	<u>1 fire</u> 0 health: 0 reactivity	Materia hazard Materia fire	als that on e <u>I beyond tha</u> als that in th	xposure unde at of ordinary of emselves ar	reheated before er fire conditions combustible mate e normally stable are not reactive	would offer no erial. e, even under	
HEALTH HAZARD INFORMATION activator, fresh exposure, material No significant skin testing.	EFFECTS OF OVEREXPOSURE:	Overexposure to chemical ingredients is not likely to cause significant acute toxic effects. The acute oral (rat) and acute dermal (rabbit) LD50 values are greater than 5 g/kg for the chemiluminescer, mixture, and spent mixture. Upon accidental eye should be immediately rinsed from the eyes. irritation was observed during animal					

FIRST AID	In case of eye contact, immediately irrigate with plenty of water for 15 minutes. Obtain medical attention if irritation persists. Engineering controls are not usually necessary if good hygiene practices are followed. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. Avoid unnecessary skin contact. Impervious gloves are recommended to prevent prolonged skin contact. For operations where eye or face contact can occur, eye protection is recommended. Where exposures are below the Permissible Exposure Limit (PEL), no respiratory protection is required. Where exposures exceed the PEL, use respirator approved by NIOSH for the material and level of exposure. See "GUIDE TO INDUSTRIAL RESPIRATORY PROTECTION" (NIOSH).				
EXPOSURE CONTROL METHODS					
FIRE AND EXPLOSION HAZARD	FLASH POINT: METHOD:	>200ºF (93.3ºC) Closed Cup			
INFORMATION	FIRE FIGHTING:	Use water spray, carbon dioxide or dry chemical to extinguish fires. Use water to keep containers cool. Wear self-contained positive pressure breathing apparatus.			
REACTIVITY DATA	STABILITY: CONDITIONS TO AVOID:	Stable None known			
	POLYMERIZATION: CONDITION TO AVOID:	Will Not Occur None known			
	INCOMPATIBLE MATERIALS:	None known			
	HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition or combustion may produce carbon monoxide and/or carbon dioxide.			
PHYSICAL PROPERTIES	APPEARANCE:	Article consisting of plastic tube or shape containing broken glass ampoule after activation with oxalate components.			
	BOILING POINT:	N.A.			
	MELTING POINT:	260 °C			
	VAPOR PRESSURE:	N.A.			
	SPECIFIC GRAVITY:	< Water			
	VAPOR DENSITY:	Heavier Than Air			
	<u>% VOLATILE (BY VOL.):</u>	N.A.			
	pH:	N.A.			
	SATURATION IN AIR <u>(BY VOL.):</u>	N.A.			
	EVAPORATION RATE:	N.A.			
	SOLUBILITY IN WATER:	Negligable			

SPILL OR LEAK PROCEDURES	STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Cover spills with inert absorbent material; sweep up and place in waste disposal container. Flush area with water.			
WASTE DISPOSAL	Disposal must be made in accordance with applicable governmental regulations.				
SPECIAL PRECAUTIONS	HANDLING AND STORAGE/OTHER:	NONE			
D.O.T. SHIPPING INFORMATION	PROPER SHIPPING NAME:	NOT APPLICABLE			
	HAZARD CLASS:	NOT APPLICABLE			
	UN/NA:	NOT APPLICABLE			
	D.O.T. HAZARDOUS SUBSTANCES:	(Reportable Quantity of Product) Dibutyl Phthalate (10 lbs) Dimethyl Phthalate (5000 lbs)			
	D.O.T. LABEL REQUIRED:	NOT APPLICABLE			
TSCA INFORMATION	This product is manufactured in compliance with all provisions of the Toxic Substances Control Act, 15 U.S.C.				
ENVIRONMENTAL INFORMATION	Wastes that are classified as hazardous waste are potentially subject to the RCRA Land Disposal Restrictions. The Land Disposal Restriction regulations are contained in 40 CFR 268. Only waste which meet the regulatory definition of a hazardous waste are subject to the land disposal restrictions. Activated light sticks do not meet the definition of a Characteristic Hazardous Waste and therefore, under the regulations, can be disposed of as a solid waste in solid waste landfills and incinerators unless prohibited by site-specific solid waste facility restriction.				

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