

# MATERIAL SAFETY DATA SHEET - 16 Sections

## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #0225, #9200, #9202, #9820, #9821, #9830, #9831, #9836, #9837, #9840, #9841, #9845, #9848			[WHMIS Classification]	
Product Use Lightsticks				
Manufacturer's Name		Supplier's Name Coghlan's Ltd.		
Street Address		Street Address 121 Irene Street		
City	Province	City Winnipeg	Province Manitoba	
Postal Code	Emergency Telephone	Postal Code R3T 4C7	Emergency Telephone 1-877-264-4526	
Date MSDS Revised February 01, 2012	MSDS Prepared By		Phone Number (204)284-9550	

## SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD <sub>50</sub> of Ingredient (specify species and route)	LC <sub>50</sub> of Ingredient (specify species)
Dimethyl Phthalate* (see page 4)		131-11-3		
Tert-Butyl Alcohol		75-65-0		
Hydrogen Peroxide		7722-84-1		

## SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols]
[Potential Health Effects] None reported.

## SECTION 4 - FIRST AID MEASURES

Skin Contact
Eye Contact Mild irritation evidenced by reddening. Flush with running water.
Inhalation Remove to fresh air.
Ingestion Do not induce vomiting; drink plenty of water. Non-toxic or harmful.

[ Optional, not required under WHMIS ]

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SECTION 5 - FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions?
Means of Extinction Carbon dioxide or dry chemical recommended.			
Flashpoint (°C) and Method 295°F (TCC Method)	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)	
Autoignition Temperature (°C)	Explosion Data - Sensitivity to Impact	Explosion Data - Sensitivity to Static Discharge	
Hazardous Combustion Products			
[NFPA] Wear full protective clothing including self-contained breathing equipment.			

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
Dike and mop up into approved DOT containers for disposal.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures and Equipment
Keep away from spark and flame.
Storage Requirements
Store in a cool, dry place.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits	<input type="checkbox"/> ACGIH TLV	<input type="checkbox"/> OSHA PEL	<input type="checkbox"/> Other (specify)			
Specific Engineering Controls (such as ventilation, enclosed process)						
Use with adequate ventilation. Mechanical ventilation is recommended.						
Personal Protective Equipment	<input checked="" type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input checked="" type="checkbox"/> Eye	<input checked="" type="checkbox"/> Footwear	<input checked="" type="checkbox"/> Clothing	<input type="checkbox"/> Other
If checked, please specify type						
Gloves and safety glasses with side shields recommended when handling contents. For manufacturing conditions, wear full sleeves, pants and boots. Product will stain porous materials and surfaces.						

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**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

Physical State <b>Solid encapsulating liquid</b>	Odour and Appearance <b>Clear, oily liquid/very mild odor</b>	Odour Threshold (ppm)
Specific Gravity (H <sub>2</sub> O = 1) <b>1.18</b>	Vapour Density (air=1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (°C) <b>283°C</b>	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] <b>Insoluble</b>

**SECTION 10 – STABILITY AND REACTIVITY**

Chemical Stability <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, which ones? <b>Avoid oxidizers as reacts violently with chlorine.</b>
Reactivity, and under what conditions?	
Hazardous Decomposition Products <b>Carbon Monoxide.</b>	

**SECTION 11– TOXICOLOGICAL INFORMATION**

Effects of Acute Exposure <b>No significant data found. This product is non-toxic.</b>	
Effects of Chronic Exposure <b>No significant data found. This product is non-toxic.</b>	
Irritancy of Product <b>Eyes: Mild irritation evidenced by reddening.</b>	
Skin Sensitization <b>No significant skin irritation.</b>	Respiratory Sensitization <b>None found.</b>
Carcinogenicity – IARC <b>No carcinogenic properties.</b>	Carcinogenicity – ACGIH
Reproductive Toxicity	Teratogenicity
Embryotoxicity	Mutagenicity
Name of Synergistic Products/Effects	

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SECTION 12 - ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal

Comply with all applicable governmental regulations on spill reporting and disposal.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]

[SERA]

\*Title III, Section 313 (40 CFR 372)

[TSCA]

*This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.*

SECTION 16 - OTHER INFORMATION

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is only to describe the product. The data does not signify any warranty with regard to the products' properties.