

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #9248, #9480, #0010, #9850 Safety Matches			[WHMIS Classification]	
Product Use Survival Candle, Survival Kit, Emergency Preparedness Kit				
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 ₅₀ of Ingredient (specify species and route)	LC ₅₀ of Ingredient (specify species)
Celite (white) Red Amorphous Phosphorus				
Silica Bond TS 431				
Sulfur Iron Sulfide				
Potassium Chlorate Magnetite				
Silica Silica Flour				
Potassium Bichromate Manganese Dioxide				

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] If fire conditions are present, fumes are poisonous if inhaled (may produce irritating or poisonous gas).
[WHMIS Symbols]
[Potential Health Effects]

SECTION 4 - FIRST AID MEASURES

Skin Contact Flush burned area with cold water. If serious consult a physician.
Eye Contact
Inhalation Remove to fresh air.
Ingestion

[Optional, not required under WHMIS]

SECTION 5 – FIRE FIGHTING MEASURES

Flammable	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions? If match head contacts striking surface with vigorous impact or friction, it will ignite.
Means of Extinction Dry chemical for small fires, water spray or foam for large fires. Move containers from fire area and cool with water.			
Flashpoint (°C) and 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]			

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures Eliminate all ignition sources. Shovel into dry container and flush the area with water.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment No special precautions; normal handling procedures.
Storage Requirements Store in a cool, dry environment.

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)			
Personal Protective Equipment			
<input type="checkbox"/> Gloves	<input type="checkbox"/> Respirator	<input type="checkbox"/> Eye	<input type="checkbox"/> Footwear <input type="checkbox"/> Clothing <input type="checkbox"/> Other
If checked, please specify type Special equipment required only in fire conditions.			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State Solid	Odour and Appearance Off-white striker head/ unlit – no odor	Odour Threshold (ppm)
Specific Gravity	Vapour Density (air=1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (°C)	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] Insoluble

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? Chlorine and/or phosphoric acid.
Reactivity, and under what conditions?	
Hazardous Decomposition Products Sulphur dioxide, chlorine, phosphoric acid, carbon dioxide	

SECTION 11- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Burns or redness of skin. Irritation of breathing passages.	
Effects of Chronic Exposure None known.	
Irritancy of Product	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity – IARC No properties present.	Carcinogenicity – ACGIH
Reproductive Toxicity	Teratogenicity
Embryotoxicity	Mutagenicity
Name of Synergistic Products/Effects	

SECTION 12 - ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Water down, mulch, and dispose of in accordance with environmental legislation.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information UN1944, Class 4.1, PG III	
	PIN
TDG	[DOT]
[IMO]	[ICAO]

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification]	[OSHA]
[SERA]	[TSCA]
<i>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.</i>	

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.