

MATERIAL SAFETY DATA SHEET – 16 Sections

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #8797 Disposable Handwarmers			[WHMIS Classification]	
Product Use				
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 1, 2010	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)
Iron Powder	60%			
Wooden Powder	6%			
Active Carbon	12%			
Water	20%			
Salt	2%			

SECTION 3 – HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Skin Contact	Skin Absorption	Eye Contact	Inhalation	Ingestion
[Emergency Overview]					
[WHMIS Symbols]					
[Potential Health Effects] Don't contact directly with your body. It may cause low-temperature burns but without a sense of ache whenever in contact with your body for a long time. Please be careful.					

SECTION 4 – FIRST AID MEASURES

Do not open inner pack. If contents come into contact with skin, mouth or eyes, flush instantly with cold water and consult a physician.

[Optional, not required under WHMIS]

SECTION 5 – FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions?
Means of Extinction			
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
No

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment
Storage Requirements
Store in a cool and 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)			
No			
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			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State No	Odour and Appearance	Odour Threshold (ppm)
Specific Gravity (H ₂ O = 1)	Vapour Density (air=1)	Vapour Pressure (mmHg)
Evaporation Rate	Boiling Point (°C)	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water]

SECTION 10 – STABILITY AND REACTIVITY

Chemical Stability <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If no, under which conditions?
Incompatibility with Other Substances <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, which ones?
Reactivity, and under what conditions? No	
Hazardous Decomposition Products No	

SECTION 11– TOXICOLOGICAL INFORMATION

Effects of Acute Exposure Non-poisonous.	
Effects of Chronic Exposure	
Irritancy of Product	
Skin Sensitization	Respiratory Sensitization
Carcinogenicity – IARC	Carcinogenicity – ACGIH
Reproductive Toxicity	Teratogenicity
Embryotoxicity	Mutagenicity
Name of Synergistic Products/Effects	

