

MATERIAL SAFETY DATA SHEET – 16 Sections

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #0450 Camp Heat			[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)
Diethylene Glycol	100%	111-46-6		

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 checked="" type="checkbox"/> Ingestion
[Emergency Overview]
[WHMIS Symbols]
[Potential Health Effects] Repeated overexposure to vapor or mist may cause headache, nausea and dizziness. Ingestion may cause pain or discomfort in the abdomen, pain in the lumbar region, nausea, vomiting, diarrhea, dizziness, drowsiness, decreased urine production, malaise and loss of consciousness. Severe kidney damage may occur which can be fatal. Liver injury may also occur. Product could cause mild discomfort to eyes.

SECTION 4 – FIRST AID MEASURES

Skin Contact Remove contaminated clothing and wash affected skin area with soap and water. Do not use contaminated clothing until thoroughly washed with soap and water.
Eye Contact Flush eye with large amount of water for at least 15 minutes while holding eyelid open. Get medical attention immediately.
Inhalation Remove to fresh air. If not breathing, give artificial respiration. Get medical attention immediately.
Ingestion If patient is fully conscious, give milk or water. Do not induce vomiting. Get medical attention immediately.

[Optional, not required under WHMIS]

SECTION 5 – FIRE FIGHTING MEASURES

Flammable	<input type="checkbox"/> Yes	<input type="checkbox"/> No	If yes, under which conditions?
Extinguishing Media Use water fog, water, alcohol foam, dry chemical, carbon dioxide.			
Flashpoint (°C) and Method 305°F/150°C TCC	Upper Flammable Limit (% by volume)	Lower Flammable Limit (% by volume)	
Autoignition Temperature (°C) Not determined	Explosion Data – Sensitivity to Impact	Explosion Data – Sensitivity to Static Discharge	
Hazardous Combustion Products			
[NFPA]			

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures
May burn, although not readily ignitable. For small spills or leaks, take up with an absorbent material and dispose of properly. Soak up residue with soap and water to remove trace residue.

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment
Contents are not under pressure. Avoid contact with the liquid in the can.
Wash areas of contact with the liquid with soap and water.
Storage Requirements
Store unused cases in a cool dry area.

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			
No protection required if handled according to directions on the can. Wash areas of contact with the liquid with soap and water.			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State Clear colorless liquid	Odour and Appearance Odorless to slightly sweet/clear	Odour Threshold (ppm)
Specific Gravity (water = 1) 1.12 @ 60 F	Vapour Density (air=1) 3.65	Vapour Pressure (mmHg) 0.002 mm Hg
Evaporation Rate (Butyl acetate = 1) <0.001	Boiling Point (°C) 473.5F/245°C @ 760 mm Hg	Freezing Point (°C) 16.4F/-9°C
pH 6-9	Coefficient of Water/Oil Distribution	[Solubility in Water] Soluble

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? If mixed with strong acids, strong oxidizing agents or strong bases and subjected to high temperatures.
Reactivity, and under what conditions? Avoid excess heat and flame around filled cases or sealed cans.	
Hazardous Decomposition Products Carbon Monoxide and/or Carbon Dioxide may form during combustion.	

SECTION 11– TOXICOLOGICAL INFORMATION

Effects of Acute Exposure	
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	

SECTION 12 – ECOLOGICAL INFORMATION

[Aquatic Toxicity]

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of in accordance with all applicable Federal, State and local regulations. Note: It is the purchasers' responsibility to dispose of properly.

SECTION 14 – TRANSPORT INFORMATION

Special Shipping Information

Non-hazardous liquid.

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 – REGULATORY INFORMATION

[WHMIS Classification]

[OSHA] This product is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

[SERA]

[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

This product is to be used as specified on the box and can only. Keep out of the reach of children. Do not take

Internally. Never leave an open flame unattended.

HAZARD CLASS: Non-hazardous liquid.

UN number: N/A

Proper Shipping Name: Not regulated

Hazard Label: N/A

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.