

MATERIAL SAFETY DATA SHEET - 16 Sections

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier #0573, #0829, #9013, #9316, #9317 Multi Purpose Lighters			[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 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)
Liquified Hydrocarbons: Butane, Isobutane, Normal				
Butane and propane.				
Class #2.1				
UN# #1057				

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry	<input type="checkbox"/> Skin Contact	<input type="checkbox"/> Skin Absorption	<input type="checkbox"/> Eye Contact	<input type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion
[Emergency Overview]					
[WHMIS Symbols]					
[Potential Health Effects] The gas causes drowsiness and is an asphyxiant when one is exposed to large quantities. However, the lighters are not a health hazard.					

SECTION 4 - FIRST AID MEASURES

Skin Contact None
Eye Contact None
Inhalation None
Ingestion None

[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? At high temperatures or open flames	
Means of Extinction Carbon Dioxide, dry chemical		
Flashpoint (°C) and Method (-120°F) for gas mixture	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 Protection from the possibility of lighters that may explode if subjected to high temperatures or open flames.		
[NFPA]		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedures

SECTION 7 – HANDLING AND STORAGE

Handling Procedures and Equipment Avoid excessive heat. Do not puncture.
Storage Requirements Avoid excessive heat. Do not puncture.

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)			
Local exhaust – as required.			
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 None required.			

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Odour and Appearance	Odour Threshold (ppm)
Specific Gravity .55 (liquid)	Vapour Density (air=1) 1.9	Vapour Pressure (mmHg) 2700
Evaporation Rate N/A	Boiling Point (°C) -0.4F	Freezing Point (°C)
pH	Coefficient of Water/Oil Distribution	[Solubility in Water] Not soluble

SECTION 10 – STABILITY AND REACTIVITY

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

SECTION 11- TOXICOLOGICAL INFORMATION

Effects of Acute Exposure The gas causes drowsiness and is an asphyxiant when one is exposed to large quantities. However, the lighters are not a health hazard.	
Effects of Chronic Exposure The gas causes drowsiness and is an asphyxiant when one is exposed to large quantities. However, the lighters are not a health hazard.	
Irritancy of Product Drowsiness to the gas.	
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

Lighters should not be punctured or incinerated. Empty lighters may be disposed of.

SECTION 14 - TRANSPORT INFORMATION

Special Shipping Information

Multi-purpose lighters, UN 1057, Class 2.1, EMS F-D, S-U

NAERG: 115

PIN

TDG

[DOT]

[IMO]

[ICAO]

SECTION 15 - REGULATORY INFORMATION

[WHMIS Classification]

[OSHA]

[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

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.