

Material Safety Data Sheet

WHMIS (Pictograms)	WHMIS (Classification)	Protective Clothing
	WHMIS CLASS A: Compressed gas. WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2: Material causing other toxic effects.	

Section 1. Chemical Product and Company Identification

Product Name/ Trade Name	WIRE ROPE SPRAY 00113	Code	RL005D
Supplier	JAMES MORTON LIMITED 75 STATE STREET CAMBRIDGE ON N1R 5V5	CAS#	Not applicable.
Synonym	Not available.	DSL	All substances on the DSL list.
Chemical Name	Not applicable.	CI#	Not applicable.
Chemical Family	(Solvent.)	Validation Date	1/12/1999
Chemical Formula	Not applicable.	Print Date	1/12/1999
Manufacturer	ROCOL LIMITED, WAKEFIELD ROAD, SWILLINGTON, LEEDS, LS26BBS, ENGLAND	In case of Emergency	CANUTEC 613-996-6666
Material Uses	Lubricant		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
PENTANE		20-50%	TWA 600ppm, STEL 750ppm	Not available.
ISOPARAFINIC HYDROCARBON	90622-58-5	5-20%	CEIL 400ppm	Not available.
BUTANE	106-97-8	5-20%	TWA 600ppm, STEL 750ppm	Not available.
PROPANE Simple asphyxiant	74-98-6	10-40%	na	Not available.

Section 3. Hazards Identification

Potential Acute Health Effects	This product may irritate eyes upon contact. Repeated skin exposure can produce local skin destruction, or dermatitis. Ingestion may cause nausea, drowsiness. Inhalation may cause drowsiness.
Potential Chronic Health Effects	Not available.

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with plenty of water. If irritation persists, seek medical attention.
Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream.
Hazardous Skin Contact	No additional information.
Inhalation	Allow the victim to rest in a well ventilated area.
Hazardous Inhalation	No specific data.
Ingestion	DO NOT induce vomiting. Seek immediate medical attention.
Hazardous Ingestion	No specific data.

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Section 5: Fire Fighting Measures

Products of Combustion	na
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, water spray or foam. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet. Flammable gas. Cool containing vessels with flooding quantities of water until well after fire is out.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated. When heated to decomposition it emits acrid smoke and irritating fumes. Self contained breathing apparatus.
Special Remarks on Explosion Hazards	No additional remark.


Section 6: Accidental Release Measures

Small Spill	Warn personnel to move away. Vapor respirator. Wear suitable gloves. Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill	Eliminate all sources of ignition. Warn personnel to move away. Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Section 7: Handling and Storage

Precautions	Use only in well ventilated areas.
Incompatibility	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Storage	Keep at temperature not exceeding 50 C. Keep away from direct sunlight or strong incandescent light.

Section 8: Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
Personal Protection	<p><i>Eyes</i> Splash goggles.</p> <p><i>Body</i> No special protective clothing is required.</p> <p><i>Respiratory</i> Vapor respirator.</p> <p><i>Hands</i> Gloves (impervious).</p> <p><i>Feet</i> No special protective clothing is required.</p>
Protective Clothing (Pictograms)	
Exposure Limits	<p>PROPANE</p> <p>Simple asphyxiant.</p> <p>Consult local authorities for acceptable exposure limits.</p>

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Characteristic.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Not applicable.	Color	Black
Boiling/Condensation point	Not available.		
Melting/Freezing point	Not available.		
Critical Temperature	Not available.		
Instability Temperature	>50 C		
Specific Gravity	Not available.		
Vapor Pressure	Not available.		
Vapor Density	Greater than air.		
Volatility	Not available.		
Odor Threshold	Not available.		
Viscosity	na		
LogK _{ow}	Not available.		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Insoluble in cold water.		
The product is:	Flammable.		
Auto-Ignition Temperature	Not available.		
Flash Points	<0 C		
Flammable Limits	Not available.		
Evaporation rate	na		
Fire Hazards in Presence of Various Substances	Extremely flammable in presence of open flames and sparks, of heat.		
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Risk of explosion if heated.		

Section 10. Stability and Reactivity

Stability	The product is stable.
Conditions of Instability	Keep away from direct sunlight or strong incandescent light. Keep away from sources of ignition and oxidizing agents.
Incompatibility with various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
Hazardous Decomposition Products	Not available.
Special Remarks on Reactivity	No additional remark.
Special Remarks on Corrosivity	No additional remark.

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Section 11. Toxicological Information

Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Acute Effects on Humans	<p><i>Eyes</i> This product may irritate eyes upon contact.</p> <p><i>Skin</i> This product is a skin irritant.</p> <p><i>Inhalation</i> Inhalation of vapors may cause drowsiness.</p> <p><i>Ingestion</i> Ingestion may cause nausea and drowsiness.</p>
Chronic Effects on Humans	Not available.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional remark.
Special Remarks on Other Toxic Effects on Humans	No additional remark.


Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	na
Toxicity of the Products of Biodegradation	na
Special Remarks on the Products of Biodegradation	This product will leach into soil, float on water, and resist biodegradation.

Section 13. Disposal Considerations

Waste information	na
Waste stream	na

Section 14. Transport Information

TDG Classification	CONSUMER COMMODITY TDG CLASS 2.1 : Flammable gas. TDG CLASS 6.1 : Poisonous material.	
PIN	UN 1950 AEROSOLS, Flammable	
Maritime transportation	na	
Special Provisions for Transport	No additional remark.	

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Section 15: Other Regulatory Information and Pictograms

WHMIS (Classification) WHMIS CLASS A: Compressed gas. WHMIS CLASS B-5: Flammable aerosol. WHMIS CLASS D-2: Material causing other toxic effects.



Regulatory Lists na

Other Regulations CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): This product is on the Domestic Substances List (DSL), and is acceptable for use under the provisions of CEPA.

Other Classifications

HCS (U.S.A.)	Not controlled under the HCS (United States).
USA Regulatory Lists	na
DSCL (EEC)	R12- Extremely flammable.
International Regulations Lists	na

Hazardous Material Information System (U.S.A.)

Health	0
Flammability	1
Reactivity	0
Personal Protection	2

National Fire Protection Association (U.S.A.)

Health	0
Flammability	0
Reactivity	0
Specific Hazard	

DOT (U.S.A) (Pictograms)

DSCL (Europe) (Pictograms)

ADR (Europe) (Pictograms)

Section 16: Other Information

References Not available.

Other Special Considerations No additional remark.

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