

# Material Safety Data Sheet

WHMIS	Protective Clothing	TDG Road / Rail
		

## Section 1. Product Identification and Uses

<b>Product Name</b>	<b>Penetrating Lube</b>	<b>CI#</b>	Not available.
<b>Synonyms</b>	24047 Penetrating Lube - SPL	<b>DSL</b>	Not available.
<b>Chemical Name</b>	Not applicable.	<b>CAS #</b>	Not applicable.
<b>Chemical Formula</b>	Chemical mixture.	<b>Code</b>	SPL
<b>Chemical Family</b>	Petroleum hydrocarbon.	<b>Molecular Weight</b>	Not applicable.
<b>Supplier</b>	Dominion Sure Seal Ltd. 6175 Danville Road, Mississauga, Ontario L5T 2H7 PHONE: (905) 670-5411	<b>EMERGENCY:</b>	<b>CANUTEC ( 24 HR )</b> (613) 996 - 6666.
<b>Material Uses</b>	Penetrant/lubricant.		


## Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>
1) Petroleum distillate	64742-88-7	30-60	<b>VAPOR (LC50)</b> ppm : Acute: 1400 (Rat) (4 hour(s)). Not available. <b>GAS (LC50)</b> ppm : Acute: 142500 (Rat) (4 hour(s)).
2) Propane	74-98-6	7-13	
3) Iso-Butane	75-28-5	7-13	

## Section 3. Physical Data

<b>Physical State and Appearance</b>	Liquid (Aerosol Concentrate).	<b>Odor</b>	Petroleum
<b>pH (1% Soln/Water)</b>	Not applicable.	<b>Taste</b>	Not available.
<b>Odor Threshold</b>	Not available.	<b>Color</b>	Pale yellow.
<b>Volatility</b>	Not available.		
<b>Evaporation Rate</b>	Not available.		
<b>Melting Point</b>	Not available.		
<b>Boiling Point</b>	150°C (302°F) based on data for: Petroleum distillate.		
<b>Density</b>	0.81 (Water = 1)		
<b>Vapor Density</b>	Not available.		
<b>Vapor Pressure</b>	7 mm of Hg (@ 20°C) based on data for: Petroleum distillate.		
<b>LogK<sub>ow</sub></b>	Lower than 1.		
<b>Ionicity (Surface Active Agent)</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Conditions of Instability</b>	No additional remark.		
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water.		
<b>Solubility</b>	Insoluble in water.		

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### Section 4. Fire and Explosion Data

<b>The Product is:</b>	Extremely Flammable Aerosol
<b>Auto-ignition Temperature</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ), smoke and other irritating gases.
<b>Flash Points</b>	CLOSED CUP: (Tagliabue.) 42°C (107.6°F) (Petroleum distillate).
<b>Flammable Limits</b>	LOWER: 1% (Petroleum distillate) UPPER: 5% (Petroleum distillate)
<b>Extinguishing Media</b>	SMALL FIRE: Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray. LARGE FIRE: Use water spray or fog. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion. Self-contained respiratory protection should be provided for firefighters.
<b>Flammability</b>	The flammability of an aerosol by WHMIS definition is determined by its flame-extension or its flashback. The flame-extension of this product is greater than 45 cm. FIRE CODE: Level 3 Aerosol (as per NFPA 30B). Do not use in the presence of open flame or spark. Do not place in hot water or near radiators, stoves or other sources of heat.
<b>Risks of Explosion</b>	Risk of explosion of the product in presence of mechanical impact: Do not subject aerosol cans to impact. Risk of explosion of the product in the presence of static discharge: Aerosol spray may be sensitive to static discharge due to flammable concentrate and flammable propellant. Vapours of this product may form a flammable/explosive mixture with air in enclosed areas when vapours present are between the lower (1%) and upper (5%) flammable limits and come into contact with open flames, sparks or static discharge. Do NOT expose aerosol containers to open flames, heat or sources of ignition. Container may explode if heated.

### Section 5. Reactivity

<b>Stability</b>	The product is stable.
<b>Hazardous Decomposition Products</b>	These products are carbon oxides (CO, CO <sub>2</sub> ), smoke and other irritating gases.
<b>Degradability</b>	Not available.
<b>Products of Degradation</b>	Not available. Not available.
<b>Corrosivity</b>	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
<b>Reactivity</b>	Avoid contact with strong oxidizing agents, strong acids and strong alkalies. Keep away from heat, sparks, open flame and all possible ignition sources.
<b>Instability Temperature</b>	Not available.
<b>Conditions of Instability</b>	No additional remark.

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## Section 6. Toxicological Properties



Routes of Entry	Ingestion. Inhalation.
TLV	<p><b>Petroleum distillate</b> TWA: 100 (ppm)</p> <p><b>Propane</b> Simple asphyxiant.</p> <p>Consult local authorities for acceptable exposure limits.</p>
Toxicity to Animals	<p><b>WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.</b></p> <p>Acute toxicity of the gas (LC50): &gt; 5000 ppm (Rat) (Iso-Butane). Acute toxicity of the vapor (LC50): 1400 ppm (Rat) (Petroleum distillate).</p>
Chronic Effects on Humans	Prolonged or repeated skin contact may lead to dermatitis.
Acute Effects on Humans	<p>EYE CONTACT: May cause irritation, redness and tearing.</p> <p>SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin. Prolonged and repeated contact may lead to dermatitis.</p> <p>INHALATION: Excessive inhalation of vapours may cause nasal and respiratory irritation and Central Nervous System effects including dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.</p> <p>INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.</p> <p>Severe over-exposure can result in death. Can be fatal if inhaled or ingested. This product may irritate eyes and skin upon contact.</p>
Synergetic Products (Toxicologically)	Not available.
Irritation/Corrosivity	Not available.
Sensitization	Not available.
Carcinogenic Effects	Not available.
Toxic Effects on Reproduction	Not available.
Teratogenic Effects	Not available.
Mutagenic Effects	Not available.

## Section 7. Preventive Measures

Small Spill and Leak	Ventilate area and eliminate all sources of ignition. Keep away from heat. Absorb with an inert DRY material and place in an appropriate waste disposal container.
Personal Protective Equipment	Recommend safety glasses and chemical resistant gloves.
Large Spill and Leak	Not applicable for aerosol containers.
Protective Clothing	Not applicable for aerosol containers.
Engineering Controls	Use under well-ventilated conditions.
Precautions	Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful. Keep out of reach of children.



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<b>Storage</b>	Store in a cool, dry place. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture or incinerate container or store at temperatures over 50°C or in direct sunlight.
<b>Handling</b>	Do not use in the presence of open flame, sparks or ignition sources. Keep away from heat. Avoid breathing vapours or spray mists. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
<b>Waste Disposal</b>	Recycle to process, if possible. Consult your local or regional authorities. Do not dispose in sewers. When container is empty, press button to release all pressure, then dispose of in garbage can.
<b>Special Shipping Information</b>	None.

### Section 8. First Aid

<b>Eye Contact</b>	Flush eyes with plenty of running water for at least 15 minutes, lifting upper and lower lids, occasionally. If irritation persists, consult a physician.
<b>Skin Contact</b>	Wash the affected areas with soap and water. If irritation persists, seek medical attention. Remove contaminated clothing and wash before reuse.
<b>Hazardous Skin Contact</b>	No additional information.
<b>Slight Inhalation</b>	Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration. Get medical attention.
<b>Hazardous Inhalation</b>	No additional information.
<b>Slight Ingestion</b>	If swallowed, call physician or poison control centre immediately. DO NOT induce vomiting. Rinse mouth with water. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.
<b>Hazardous Ingestion</b>	No additional information.


### Section 9. MSDS Preparation

<b>References</b>	Not available.
No additional remark.	
Validated by Regulatory Affairs Dept. on 06/1/2010	




**Emergency Phone: (905) 670-5411 , (613)996-6666 , 1-800-265-0790**


<b>Responsible Name/ Telephone No.</b>	
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### Classification

<b>TDG Road / Rail</b>	Aerosols, Class 2.1 UN1950.	
	Not applicable.	

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<p><b>WHMIS</b></p> <p>WHMIS CLASS A: Compressed gas.                  WHMIS CLASS B-5: Flammable aerosol.                  WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).</p>	
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*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*