



Fire-Trol Canada Company

www.firetrolcanada.com

MATERIAL SAFETY DATA FICHE SIGNALÉTIQUE

SECTION 1: PRODUCT IDENTIFICATION AND USE

Product Identifier: **PETROL JEL™**

Product use: Petrol Jel™ is a liquid thickener for gelling petroleum fuels for use in prescribed burning or wildfires.

Manufacturers name: **CIRCLE PARK HOLDINGS LTD
P.O. BOX 464
CLEARWATER BC
V0E 1N0**

Suppliers name: **FIRE-TROL CANADA COMPANY
455 DENE DRIVE
KAMLOOPS BC
V2H 1J1**

Emergency Telephone Numbers: (24 Hours)

[250] 374-0379: FIRE-TROL CANADA COMPANY: KAMLOOPS, B.C.

[530] 865-4932: FIRE-TROL HOLDINGS L.L.C.: ORLAND, CALIFORNIA

GENERAL INFORMATION

**WHMIS CLASSIFICATION: B3 and D1
DANGEROUS GOODS CLASS: 3.2 (6.1)**

WARNING STATEMENT

Danger. Methanol solution. May be fatal if swallowed. May cause blindness. Cannot be made non-poisonous. Can be absorbed through the skin. Harmful if inhaled. Use only in a well ventilated area. Flammable. Keep away from heat and open flame.

FIRE-TROL® is a registered trademark of Fire-Trol Holdings, L.L.C.

Petrol Jel™ is a proprietary mixture of a powdered gelling agent and carrying agents and has no CAS number. The principal ingredients are Methyl Alcohol (CAS #67-56-1) and a powdered metal stearate.

SECTION 3: PHYSICAL DATA:

1. Physical State: Low viscosity slurry.
2. Odour and Appearance: Slight perfume. Blue/yellow liquid
3. Odour Threshold (ppm): No data available.
4. Vapor Pressure (mm Hg): 92 at 20 degrees C.
5. Vapor Density (Air = 1): 1.11
6. Evaporation Rate:(Butyl Acet=1): 3.5 Evaporates Readily
7. Boiling Point: 64.5C (148F)
8. Freezing point: -97.8C (-144F)
9. pH: 6.5
10. Specific Gravity: 1.035
11. Coeff. Water/Oil Dist.: No data available.

SECTION 4: FIRE AND EXPLOSION DATA:

1. Flammability: Very Flammable. Class 3.2
2. Extinguishing Media: Carbon dioxide, dry chemical, foam, or water spray. Class A, BC, or ABC fire extinguishers. Sand/earth.
3. Special Firefighting Procedures in Enclosed Areas:

In case of accident or fire involving Petrol Jel™ use chemical extinguishers or water to keep fire-exposed containers cool and to flush non-ignited spills or vapors away from fire. Vapors can flow along surfaces to distant ignition sources and flash back. Wear an approved self-contained breathing apparatus and protective clothing.

4. Flashpoint: 12.2C (54F) : Open Cup
5. Upper Flammable Limit (%): 36
6. Lower Flammable Limit (%): 6.7
7. Autoignition Temp.: 464C (867F)
8. Hazardous Combustion Products: When Petrol Jel™ is heated to point of combustion, carbon dioxide (CO₂) and carbon monoxide (CO) will be formed.
9. Explosion Data: Above flash point, vapor-air mixtures are explosive within flammable limits noted above. Moderate explosion hazard and dangerous fire hazard when exposed to heat, sparks or flames.

Sensitivity to Impact: Not Applicable
Sensitivity to Static Discharge: Not Applicable

SECTION 5: REACTIVITY DATA:

1. Stability: Excellent long term stability. Petrol Jel™ will settle out but can be easily put back into suspension through agitation. Hazardous polymerization will not occur.
2. Incompatibility: Avoid strong oxidizers such as hydrogen peroxide, bromine, chromic acid, perchlorates or sulfuric acid. Will attack some forms of plastics, rubber and coatings. May react with metallic aluminium and generate hydrogen gas.
3. Reactivity: Not Applicable.
4. Hazardous Decomposition Products: Carbon dioxide, carbon monoxide and formaldehyde.
5. Storage: Store in original container until used. Protect against physical damage. Outside or detached storage is preferred. Store in a cool well ventilated area. Inside storage should be in standard flammable liquids storage room or cabinet. Storage and use must be in " No Smoking" areas. Spark proof tools and explosion proof equipment must be used in storage areas.

SECTION 6: TOXICOLOGICAL PROPERTIES:

1. Routes of Entry: Vapors can be expected to be the most likely source of exposure to Petrol Jel™. Slight irritant to mucous membranes. Toxic effects if excessive amounts inhaled. Toxic effects if excessive amounts absorbed through the skin.
2. Toxicological Data estimated from the Methyl Alcohol carrying agent.

Oral LD50 (Rat):	> 5000 mg/kg
Dermal LD50 (Rabbit):	2000 mg/kg
3. Effects of Acute Exposure: Affects central nervous system, especially the optic nerve. Causes dizziness, nausea, muscle weakness, narcosis and respiratory failure. Ingestion can produce blindness. (100 ml can be fatal.)
4. Effects of Chronic Exposure: Marked impairment of vision and enlargement of liver. Skin irritation from prolonged exposure.
5. Carcinogenicity: Not listed by NTP or IARC.
6. Teratogenicity: Not listed by NTP or IARC.
7. Mutagenicity: Not listed by NTP or IARC.
8. Reproductive toxicity: Not listed by NTP or IARC.

9. Synergistic Products: Not applicable.

SECTION 7: PREVENTIVE MEASURES:

1. Protective clothing and equipment must be utilized when handling Petrol Jel™.
 - (i) Gloves: Avoid skin contact. Use rubber or plastic gloves when handling.
 - (ii) Eye: Avoid eye contact. Use safety goggles offering a full seal around the eyes. Do not wear contact lenses. Keep eye wash bottle in work area.
 - (iii) Clothing: Wear cotton coveralls to minimize exposure to Petrol Jel™.
 - (iv) Respirator: Avoid excessive inhalation of vapors. Use in a well ventilated area. OSHA permissible exposure limit 200 ppm (TIME WEIGHTED AVERAGE), 250 ppm (STEL) skin. If the exposure limit is exceeded, use an air supplied, full-face respirator or self contained breathing apparatus.
2. Ventilation Type Required: Mechanical
3. Leak and Spill Procedure: Ventilate area of leak or spill. Remove all sources of ignition. Clean up personnel require protective clothing and respiratory protection from vapors. Contain and remove liquid where possible. ABSORB WITH SAWDUST OR VERMICULITE FOR DISPOSAL AS A HAZARDOUS WASTE IN A RCRA APPROVED FACILITY. Do not flush to sewer.
4. Waste Disposal: Dispose of in accordance with all Federal, Provincial and Local regulations.
5. Transportation Information:
Transport Canada: Dangerous Good
Freight class: Class 3.2 (6.1) Packing Group II

SECTION 8: ENVIRONMENTAL EFFECTS:

1. Do not dispose to sewer.
2. Relatively low toxicity to aquatic life

96 hr. LC50 Juvenile Rainbow Trout: >1000 mg/litre.
3. Use and disposal employing proper environmental control practices should not cause significant environmental impact.

SECTION 9: FIRST AID PROCEDURES:

1. Inhalation: Remove to fresh air and give oxygen if breathing is difficult. If not breathing, give artificial respiration. Get medical attention.
2. Ingestion: If swallowed, induce vomiting immediately by giving two glasses of water and sticking finger down the throat. Never give anything by mouth to an unconscious person. Get medical attention immediately.
3. Skin Contact: Remove contaminated clothing. Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops.
4. Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention immediately.

SECTION 10: PREPARATION DATE

Prepared By: Wally McCulloch
FIRE-TROL CANADA COMPANY [250] 374-0379

Effective Date: January 17, 2002

Supersedes: March 1, 1999

NOTICE OF WARRANTY

FIRE-TROL CANADA COMPANY warrants that **Petrol Jel™** is reasonably fit for the purpose for which it was developed only when used in accordance with manufacturers recommended use practices and when used under normal conditions. The liability of **Fire-Trol Canada Company** with respect to the use and handling of this product is limited to the amount of the purchase price of the product to the user and **Fire-Trol Canada Company** will not be liable for consequential, special, or indirect damages resulting from such use or handling. **WARNING: Petrol Jel™** is flammable; is harmful and potentially fatal if swallowed; contact with the skin and eyes is to be avoided; **Fire-Trol Canada Company** will not be responsible for injury or deaths which occur as a result of the use or handling of this product.

Petrol Jel™ is a trademark of Circle Park Holdings Ltd.

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