

\* Refill Fuel \*

MATERIAL HEALTH & SAFETY DATA SHEET30526-1010  
.1020

(Key: &gt; = Greater than; &lt; = Less than)

SECTION 1 - MATERIAL IDENTIFICATION & USE

Material Name: FIRE STARTER JELLY Code 649  
 Supplier: Multiple Choice Inc  
 Address: 4067 Bluepoint Drive Forest Ontario Canada  
 Emergency Telephone Number: 519 899 2352  
 Chemical Name: Methanol Molecular Weight:  
 Chemical Family: Alcohols Trade Name/Synonyms: Gelled Fire Starter, Hot Pot Fuel  
 Chemical Formula: CH<sub>3</sub>OH Material Use: Starting aid - Ignitable substances

SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A. or U.N. Numbers	"Exposure Limits"	LD50 / LC50 Specify: Species & Route
Methanol	98.4	67-56-1	64000 ppm/4 hrs Inhalation, rat	5628 mg/kg Oral, rat
Non-hazardous ingredients	1.6			

SECTION 3 - PHYSICAL DATA FOR MATERIAL

Physical State: solid  
 Specific Gravity: 0.79  
 Vapour Pressure (mm/Hg): 96 @ 20°C.  
 Boiling Point (°C): 64.6  
 % Volatile (by volume): 100% pH: n/a  
 Odour Threshold(ppm): n/a  
 Vapour Density (Air=1): 1.11  
 Freezing Point (°C):  
 Density (g/ml): n/a  
 Odour & Appearance: Pale blue soft gel/alcohol  
 Evaporation Rate: 2.0 (Butyl Acetate = 1.0)  
 Solubility in Water(20°C):  
 Coefficient of water/oil distribution: n/a

SECTION 4 - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: Yes. Conditions: Sparks, open flames  
 Means of Exinction: Use alcohol foam, dry chemical, CO<sub>2</sub>, water fog to extinguish fire.  
 Special Procedures: Use self-contained breathing apparatus and protective clothing for all indoor fires.  
 Do not use direct water stream.  
 Excess heat may rupture closed containers.

Flash point(°C) & Method: 12.2 (T.C.C.)  
 Auto Ignition Temperature(°C): 464 °C  
 Chemical Sensitivity to Impact:  
 Sensitivity to Static Discharge: n/a  
 Upper explosion limit(% by volume):  
 Flammability Classification:  
 Rate of Burning: n/a  
 Lower explosion limit (% by volume):  
 Hazardous Combustion Products:  
 Explosion Power: n/a

SECTION 5 - REACTIVITY DATA

Chemical Stability: Yes Conditions:  
 Incompatibility to other substances: Yes Substances: High temperatures, open flames, sparks.  
 Reactivity and under what conditions:  
 Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide.

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Page 2 of 2

V. 211

**SECTION 6 - TOXICOLOGICAL PROPERTIES OF PRODUCT**

Route of Entry: Skin Contact: ..... Skin Absorption:..... Eye Contact: Yes  
 Inhalation Acute:..Yes Inhalation Chronic:..... Ingestion: Yes  
 Effects of Acute Exposure to Product:  
 Skin: Drying & cracking, dermatitis.  
 Eyes: Conjunctivitis, irritation & Inflammation.  
 Inhalation: May cause CNS depression & blindness.  
 Ingestion: CNS depression, blindness & respiratory failure.

Effects of Chronic Exposure to Product:

LD50 of Product (Specify Species & Route): Oral rat-6200-13000 mg/kg. Sensitization to Product:  
 LC50 of Product (Specify Species): Dermal rabbit 20000mg/Kg Exposure limits of Product: ACGIH- TLV-TWA 200 ppm  
 Irritancy of Product: Synergistic materials: None known.

Carcinogenicity.. Non-carcinogenic Reproductive effects: Adverse effects not anticipated Teratogenicity: no data Mutagenicity:..No data

**SECTION 7 - PREVENTIVE MEASURES**

Personal Protective Equipment:

Gloves: Chemical resistant Respiratory: A NIOSH/MSHA respirator with organic vapor cartridges for concentrations up to 1000 ppm.  
 Eye: Chemical Goggles Footwear: Boots  
 Clothing: Impermeable Apron/coveralls.....Other:

Engineering Controls: Local exhaust desirable. Electrical/mechanical equipment spark proof.

Leak & Spill Procedure: Provide ventilation. Prevent material from entering sewers or water courses.

Waste Disposal: In accordance with Provincial & Federal regulations. Do not dispose in sewers.

Handling Procedures & Equipment: Do not apply to surfaces that are or may be hot. Do not inject directly into flames or any hot areas.

Storage Requirements: In cool, ventilated area. Store product away from sources of ignition and/or heat.

Special Shipping Information:

**SECTION 8 - FIRST AID MEASURES**

Skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder before reuse. Obtain medical advice.

Eyes: Flush with water, lifting upper and lower lids occasionally, then get medical attention.

Inhalation: If breathing is affected, remove individual to fresh air. If breathing is difficult give oxygen. If breathing stops, give artificial respiration.  
 Keep person warm, get medical attention. DO NOT GIVE STIMULANTS.

Ingestion: Get medical help immediately. Unless unconscious or convulsing, give large amounts of water or milk to induce vomiting. Ipecac Syrup or by placing finger at back of throat. Never give anything by mouth to an unconscious person.

General advice: Epinephrine or ephedrine may adversely affect the heart with fatal results.

**SECTION 9 - PREPARATION DATE OF M.S.D.S.**

Additional information/Comments: Poison Management Manual.

Sources Used: The British Columbia Drug & Poison Information Center, Canadian Pharmaceutical Assoc. Ottawa, 1991.

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\*ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS.

\*TLV - THRESHOLD LIMIT VALUE

\*TWA - TIME WEIGHTED AVERAGE

\*NOISH - NATIONAL INSTITUTE OF OCCUPATIONAL SAFETY AND HEALTH

\*MSHA - MINING SAFETY AND HEALTH ASSOCIATION