

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **501-102 PERMATONE HONEY (501062)**

Supplier - Manufacturer **Chemcraft International Inc.,**

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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code** 501-102  
**Synonym** PERMATONE HONEY (501062)  
**Chemical Name** Not applicable.  
**Chemical Family** Synthetic polymer in organic solvent. (Paint.)  
**Chemical Formula** Not applicable.  
**Material Uses** Coatings: Surface coatings and finishes.  
**Product Identification Number (PIN)** 1263 PAINT

## Section 2. Hazardous Ingredients

### Exposure Limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Acetone	67-64-1	94.559	ORAL (LD50): Acute: 5800 mg/kg [Rat]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].	<b>ACGIH (Canada, 1997).</b> TWA: 500 ppm STEL: 750 ppm TWA: 1188 mg/m <sup>3</sup> STEL: 1782 mg/m <sup>3</sup>
Propylene glycol monomethyl ether	107-98-2	5.0196	ORAL (LD50): Acute: 5660 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].	<b>ACGIH (Canada).</b> TWA: 100 ppm STEL: 150 ppm <b>OSHA (Canada).</b> TWA: 100 ppm STEL: 150 ppm TWA: 540 mg/m <sup>3</sup> STEL: 360 mg/m <sup>3</sup>

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

## Section 3. Physical Data

**Physical State and Appearance** Liquid.

**Color** Not available. **Odor** Not available. **Taste** Not available.

**Molecular Weight** Not applicable.

**pH (1% soln/water)** Neutral.

**Boiling Point** The lowest known value is 56.2°C (133.2°F) (2-Propanone). Weighted average: 59.42°C (139°F)

**Melting Point** May start to solidify at -95°C (-139°F) based on data for: 2-Propanol, 1-methoxy-. Weighted average: -95.33°C (-139.6°F)

**Critical Temperature** Not available.

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<b>Specific Gravity</b>	Weighted average: 0.8 (Water = 1)
<b>Vapor Pressure</b>	The highest known value is 24.8 kPa (186.2 mmHg) (at 20°C) (2-Propanone). Weighted average: 23.64 kPa (177.31 mmHg) (at 20°C)
<b>Vapor Density</b>	The highest known value is 3.12 (Air = 1) (2-Propanol, 1-methoxy-). Weighted average: 2.06 (Air = 1)
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	The lowest known value is 2 ppm (2-Propanone)
<b>Water/Oil Dist. Coeff.</b>	The product is more soluble in water.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Is not dispersed in methanol, diethyl ether, n-octanol. See solubility in water, methanol, diethyl ether, n-octanol.
<b>Solubility</b>	Easily soluble in cold water, hot water, methanol, diethyl ether. Partially soluble in n-octanol.

#### **Section 4. Fire and Explosion Hazard**

<b>The Product is:</b>	Flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Extremely flammable in presence of open flames, sparks and static discharge.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
<b>Special Remarks on Fire Hazards</b>	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and irritating fumes. (2-Propanol, 1-methoxy-)
<b>Flash Points</b>	The lowest known value is Closed cup: -18°C (-0.4°F). (T.C.C. ). (2-Propanone)
<b>Flammable Limits</b>	The greatest known range is LOWER: 1.6% UPPER: 13.8% (2-Propanol, 1-methoxy-)
<b>Auto-Ignition Temperature</b>	The lowest known value is 287°C (548.6°F) (2-Propanol, 1-methoxy-).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Extremely explosive in presence of open flames, sparks and static discharge.
<b>Special Remarks on Explosion Hazards</b>	Not available.

#### **Section 5. Reactivity Data**

<b>Stability</b>	The product is stable.
<b>Decomposition products</b>	Not available.
<b>Conditions of Instability</b>	Not available.
<b>Incompatibility with various substances</b>	Reactive with oxidizing agents, reducing agents. Slightly reactive to reactive with acids, alkalis, moisture. Non-reactive with combustible materials, metals.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Air sensitive. (2-Propanol, 1-methoxy-)
<b>Special Remarks on Corrosivity</b>	Not available.

#### **Section 6. Toxicological Properties**

<b>Routes of Entry</b>	Dermal contact. Eye contact. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 5660 mg/kg [Rat]. (2-Propanol, 1-methoxy-). Acute dermal toxicity (LD50): 13000 mg/kg [Rabbit]. (2-Propanol, 1-methoxy-). Acute toxicity of the vapor (LC50): 16000 ppm 4 hour(s) [Rat]. (2-Propanone).
<b>Effects of Acute Exposure</b>	Very hazardous in case of eye contact (irritant). Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching.

<b>Chronic Effects on Humans</b>	<p><b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC. None. by OSHA [2-Propanone]. Classified D (Not classifiable for human or animal.) by EPA [2-Propanone]. Classified 4 (Probably not for human.) by IARC. None. by OSHA [2-Propanol, 1-methoxy-].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Classified None. for human [2-Propanone].</p> <p><b>DEVELOPMENTAL TOXICITY:</b> Not available.</p> <p>The substance is toxic to blood, kidneys, lungs, liver.</p> <p>Repeated or prolonged exposure to the substance can produce target organs damage.</p>
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	Exposure can cause coughing, chest pains, difficulty in breathing. (2-Propanol, 1-methoxy-)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Material is irritating to mucous membranes and upper respiratory tract. (2-Propanone)
<b>Exposure Limits</b>	Not available.

## Section 7. Preventive Measures

<b>Personal Protection</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<b>Personal Protection in Case of a Large Spill</b>	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.
<b>Engineering Controls</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Small Spill</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
<b>Large Spill</b>	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
<b>Waste Disposal</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>Precautions</b>	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
<b>Storage</b>	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
<b>TDG Classification</b>	3
<b>PIN</b>	1263 PAINT <b>PG: II</b>
<b>Special Provisions for Transport</b>	
<b>Federal and State Regulations</b>	<p>Rhode Island RTK hazardous substances: 2-Propanol, 1-methoxy-</p> <p>Pennsylvania RTK: 2-Propanol, 1-methoxy-</p> <p>Florida: 2-Propanol, 1-methoxy-</p> <p>Minnesota: 2-Propanol, 1-methoxy-</p> <p>Massachusetts RTK: 2-Propanol, 1-methoxy-</p> <p>New Jersey: 2-Propanol, 1-methoxy-</p> <p>TSCA 8(b) inventory: 2-Propanol, 1-methoxy-</p> <p>TSCA 8(d) H and S data reporting: 2-Propanol, 1-methoxy-</p> <p>SARA 313 toxic chemical notification and release reporting: 2-Propanone 94.559%</p> <p>CERCLA: Hazardous substances.: 2-Propanone;</p>
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
<b>Other Classifications</b>	<p><b>WHMIS (Canada)</b></p> <p><b>Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).</b></p> <p><b>Class D-2A: Material causing other toxic effects (VERY TOXIC).</b></p> <p><b>Class D-2B: Material causing other toxic effects (TOXIC).</b></p> <p><b>HCS (U.S.A.)</b></p> <p>Class: Flammable liquid having a flash point lower than 37.8°C (100°F).</p> <p>Class: Irritating substance.</p> <p>Class: Target organ effects.</p>

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Hazardous Material Information System (U.S.A.)	Health Hazard	* 2
	Fire Hazard	3
	Reactivity	1
	Personal Protection	H
National Fire Protection Association (U.S.A.)	Health	2
	Fire Hazard	3
	Reactivity	1
	Specific Hazard	

## Section 8. First Aid Measures

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
<b>Hazardous Inhalation</b>	Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
<b>Hazardous Ingestion</b>	Not available.

## Section 9. Preparation Information

<b>References</b>	-Manufacturers Material Safety Data Sheets.
<b>Other Special Considerations</b>	Not available.
<b>Related Information</b>	This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.
<b>Preparation Information</b>	<b>Validated by C.M. Kelly on 8/26/2002.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 1/29/2003.</b>
<b>Information Contact</b>	Prepared by the Health, Safety and Environment Department, Chemcraft International Inc., P.O. Box 458, 155, Rose Glen Road North, Port Hope, ON. Canada. Phone: 905 885-6388 Fax: 905 885-5097

### Notice to Reader

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