

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **100-121 ACETONE**

Supplier - Manufacturer **Chemcraft International Inc.,**  
155 Rose Glen Road North  
P.O. Box 458  
Port Hope, ON.  
Canada L1A 3Z3

Telephone (905) 885-6388 Fax (905) 885-5097

In case of Emergency (905) 885-6388, (800) 263-7951

### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 100-121

Synonym ACETONE

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) 1090 ACETONE

## Section 2. Hazardous Ingredients

### Exposure limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL ACGIH (United States, 1997).
Acetone	67-64-1	70 - 100	ORAL (LD50): Acute: 5800 mg/kg [Rat]. 3000 mg/kg [Mouse]. DERMAL (LD50): Acute: 20000 mg/kg [Rabbit].	TWA: 500 ppm STEL: 750 ppm TWA: 1188 mg/m <sup>3</sup> STEL: 1782 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) Not available.

Boiling Point The lowest known value is 56.2°C (133.2°F) (2-Propanone).

Melting Point May start to solidify at -95.35°C (-139.6°F) based on data for: 2-Propanone.

Critical Temperature Not available.

Specific Gravity The only known value is 0.79 (Water = 1) (2-Propanone).

Vapor Pressure The highest known value is 24.1 kPa (181 mm Hg) (at 20°C) (2-Propanone).

Vapor Density The highest known value is 2 (Air = 1) (2-Propanone).

Volatility Not available.

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<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>	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>	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use alcohol-resistant foam or water spray or fog. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
<b>Special Remarks on Fire Hazards</b>	FLAMMABLE. (2-Propanone)
<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: 2.6% Upper: 12.8% (2-Propanone)
<b>Auto-Ignition Temperature</b>	The lowest known value is 465°C (869°F) (2-Propanone).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Not available.
<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>	Slightly reactive or incompatible with the following materials: oxidizing materials, reducing materials, acids and alkalis.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	Not available.
<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): 3000 mg/kg (Mouse) (Calculated value for the mixture). Acute dermal toxicity (LD50): 20000 mg/kg (Rabbit.) (Calculated value for the mixture). Acute toxicity of the gas (LC50): 18523 ppm 4 hour/hours (Mouse) (Calculated value for the mixture).
<b>Effects of Acute Exposure</b>	Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

<b>Chronic Effects on Humans</b>	<p><b>CARCINOGENIC EFFECTS:</b> Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanone]. Classified D (Not classifiable for humans or animals.) by EPA [2-Propanone].</p> <p><b>MUTAGENIC EFFECTS:</b> Not available.</p> <p><b>TERATOGENIC EFFECTS:</b> Classified None. for humans [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>	Not available.
<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>	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Impervious gloves.
<b>Personal Protection in Case of a Large Spill</b>	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. Self-contained breathing apparatus (SCBA) should be used to avoid inhalation of the product. Suggested protective clothing might not be adequate. 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 close to the workstation location.
<b>Small Spill</b>	Dilute with water and mop up if water-soluble 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 necessary.
<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>	1090 ACETONE <b>PG: II</b>
<b>Special Provisions for Transport</b>	-
<b>Federal and State Regulations</b>	CERCLA: Hazardous substances.: Acetone;
<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>      <b>Class B-2: Flammable liquid</b></p> <p>                                 <b>Class D-2B: Material causing other toxic effects (Toxic).</b></p> <p><b>HCS (U.S.A.)</b>      Flammable liquid</p> <p>                                 Target organ effects</p>

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 1
	<b>Fire Hazard</b>	4
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	G
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	1
	<b>Fire Hazard</b>	4
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

## 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 if irritation occurs.
<b>Skin Contact</b>	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.
<b>Hazardous Skin Contact</b>	Not available.
<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>	Move 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 if the tissues are damaged, a possible indication that 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 K. William on 2/28/2006.</b> <b>Verified by K. William.</b> <b>Printed 3/8/2006.</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

*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.*