

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **803-1352 LACQUER THINNER (C32901)[CA 07249]**

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

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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code** 803-1352  
**Synonym** LACQUER THINNER (C32901)[CA 07249]  
**Chemical Name** Not applicable.  
**Chemical Family** Solvent. (Solvent.)  
**Chemical Formula** Not applicable.  
**Material Uses** Coatings: Surface coatings and finishes.  
**Product Identification Number (PIN)** 1263 PAINT RELATED MATERIAL

## Section 2. Hazardous Ingredients

					<u>Exposure Limits</u>	
Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>		TLV/PEL	
Isobutyl acetate	110-19-0	1-5	ORAL (LD50): Acute: 4763 mg/kg [Rabbit]. 3200 mg/kg [Rat].		Not available.	
Acetone	67-64-1	30-60	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>	
Methyl alcohol	67-56-1	5-10	ORAL (LD50): Acute: 6200 mg/kg [Rat]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit].		<b>OSHA (Canada).</b> TWA: 200 ppm <b>ACGIH (Canada, 2000).</b> TWA: 200 ppm STEL: 250 ppm	
Methyl ethyl ketone	78-93-3	10-30	ORAL (LD50): Acute: 3400 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].		TWA: 200 ppm 8 hour(s). STEL: 300 ppm 15 minute(s). CEIL: 300 ppm	
Ethylbenzene	100-41-4	1-5	ORAL (LD50): Acute: 3500 mg/kg [Rat]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit].		<b>ACGIH (Canada).</b> TWA: 100 ppm STEL: 125 ppm	
Xylenes	1330-20-7	10-30	ORAL (LD50): Acute: 4300 mg/kg [Rat].		<b>ACGIH (Canada, 1992).</b> TWA: 100 ppm STEL: 150 ppm TWA: 434 mg/m <sup>3</sup> STEL: 651 mg/m <sup>3</sup>	
Methyl propyl ketone	107-87-9	10-30	ORAL (LD50): Acute: 3730 mg/kg [Rat]. DERMAL (LD50): Acute: 6472 mg/kg [Rabbit].		Not available.	

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.

**Continued on Next Page**

### 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: 83°C (181.4°F)				
Melting Point	May start to solidify at -77.5°C (-107.5°F) based on data for: . Weighted average: -90.22°C (-130.4°F)				
Critical Temperature	Not available.				
Specific Gravity	Weighted average: 0.81 (Water = 1)				
Vapor Pressure	The highest known value is 24.1 kPa (181 mmHg) (at 20°C) (2-Propanone). Weighted average: 12.73 kPa (95.48 mmHg) (at 20°C)				
Vapor Density	The highest known value is 4 (Air = 1) (Acetic acid, 2-methylpropyl ester). Weighted average: 2.48 (Air = 1)				
Volatility	Not available.				
Odor Threshold	The lowest known value is 0.25 ppm (2-Butanone) Weighted average: 2.23 ppm				
Water/Oil Dist. Coeff.	The product is much more soluble in octanol.				
Ionicity (in Water)	Not available.				
Dispersion Properties	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.				
Solubility	Easily soluble in methanol, diethyl ether, acetone. Soluble in n-octanol. Insoluble in cold water, hot water.				

### Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames, sparks and static discharge, of heat.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	FLAMMABLE. (2-Propanone)
Flash Points	The lowest known value is Closed cup: -18°C (-0.4°F). (T.C.C. ). (2-Propanone)
Flammable Limits	The greatest known range is LOWER: 6% UPPER: 36.5% (Methanol)
Auto-Ignition Temperature	The lowest known value is 422.78°C (793°F) (Acetic acid, 2-methylpropyl ester).
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Highly explosive in presence of open flames, sparks and static discharge.
Special Remarks on Explosion Hazards	Not available.

### Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Reactive with oxidizing agents. Slightly reactive to reactive with reducing agents, organic materials, metals, acids, alkalis.
Corrosivity	Not available.

Continued on Next Page

Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

## Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 3200 mg/kg [Rat]. (Acetic acid, 2-methylpropyl ester). Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Benzene, ethyl-). Acute toxicity of the gas (LC50): 2000 ppm 4 hour(s) [Rat]. (2-Butanone). Acute toxicity of the vapor (LC50): 3500 ppm 4 hour(s) [Rat]. (Acetic acid, 2-methylpropyl ester).
Effects of Acute Exposure	Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Chronic Effects on Humans	<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 A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [Methanol]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Butanone]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Classified None. for human [2-Propanone]. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to blood, kidneys, lungs, the nervous system, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Detected in maternal milk in human. Passes through the placental barrier in human. ( )
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (2-Propanone)
Exposure Limits	Not available.

## Section 7. Preventive Measures

Personal Protection	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices. 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.
Engineering Controls	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.
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	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 get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	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. Keep away from incompatibles such as oxidizing agents.
Storage	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).
TDG Classification	3
PIN	1263 PAINT RELATED PG: II MATERIAL
Special Provisions for Transport	

Continued on Next Page

**Federal and State  
Regulations**

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene, methyl-  
California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene, methyl-  
Illinois toxic substances disclosure to employee act: Benzene, ethyl-  
New York release reporting list: Methanol  
New York acutely hazardous substances: Benzene, ethyl-  
Rhode Island RTK hazardous substances: Methanol; Benzene, ethyl-  
Pennsylvania RTK: Acetic acid, 2-methylpropyl ester; Methanol: (environmental hazard); Benzene, ethyl-; Benzene, methyl-; Benzene, dimethyl-  
Florida: Methanol; Benzene, ethyl-  
Minnesota: Methanol; Benzene, ethyl-  
Massachusetts RTK: Acetic acid, 2-methylpropyl ester; Methanol; Benzene, ethyl-  
New Jersey: Acetic acid, 2-methylpropyl ester; Methanol; Benzene, ethyl-; Benzene, methyl-  
TSCA 8(b) inventory: Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Benzene, methyl-; Benzene, dimethyl-  
TSCA 8(d) H and S data reporting: Benzene, ethyl-  
SARA 302/304/311/312 hazardous chemicals: Methanol  
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic acid, 2-methylpropyl ester: Fire Hazard, Immediate (Acute) Health Hazard; Methyl ethyl ketone: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, ethyl-: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, methyl-: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard  
SARA 313 toxic chemical notification and release reporting: Methanol 10%; Methyl ethyl ketone 22%; Benzene, ethyl- 3%; Benzene, methyl- 0.15%; Benzene, dimethyl- 11.85%; 2-Pentanone, 4-methyl- 0.825%  
CERCLA: Hazardous substances.: Acetic acid, 2-methylpropyl ester; 2-Propanone: 5000 lbs. (2268 kg); Methanol; Methyl ethyl ketone; Benzene, ethyl-: 1000 lbs. (453.6 kg); Benzene, methyl-: 1000 lbs. (453.6 kg); Benzene, dimethyl-: 100 lbs. (45.36 kg); 2-Pentanone, 4-methyl-;

**Other Regulations**

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

**Other Classifications**

**WHMIS (Canada)**  
**Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).**  
**Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).**  
**Class D-2A: Material causing other toxic effects (VERY TOXIC).**  
**Class D-2B: Material causing other toxic effects (TOXIC).**

**HCS (U.S.A.)**  
 Class: Flammable liquid having a flash point lower than 37.8°C (100°F).  
 Class: Irritating substance.  
 Class: Target organ effects.

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 2
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	H
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	2
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Specific Hazard</b>	

**Section 8. First Aid Measures**

- Eye Contact** Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.
- Skin Contact** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- Hazardous Skin Contact** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.
- Inhalation** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

<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. <b>WARNING:</b> It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. 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 10/22/2004.</b> <b>Verified by C.M. Kelly.</b> <b>Printed 4/4/2005.</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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