

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **151-265 BRASS LACQUER**

Supplier - Manufacturer **Chemcraft International Inc.,**  
155 Rose Glen Road North  
P.O. Box 458  
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Canada L1A 3Z3  
Telephone (905) 885-6388 Fax (905) 885-5097  
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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code** 151-265  
**Synonym** BRASS LACQUER  
**Chemical Name** Not applicable.  
**Chemical Family** Synthetic polymer in organic solvent. (Polymer.)  
**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
n-Butyl acetate	123-86-4	50 - 70	ORAL (LD50): Acute: 14130 mg/kg [Rat]. 7100 mg/kg [Mouse]. DERMAL (LD50): Acute: 5000 mg/kg [Rabbit]. 8770 mg/kg [Guinea pig].	<b>OSHA (Canada).</b> TWA: 150 ppm STEL: 200 ppm <b>ACGIH (Canada, 2000).</b> TWA: 150 ppm STEL: 200 ppm
Toluene	108-88-3	15 - 30	ORAL (LD50): Acute: 2600 mg/kg [Rat]. DERMAL (LD50): Acute: 12210 mg/kg [Rabbit].	<b>ACGIH (Canada, 1993).</b> TWA: 50 ppm TWA: 188 mg/m <sup>3</sup>
Propylene glycol monomethyl ether acetate	108-65-6	5 - 15	ORAL (LD50): Acute: 8532 mg/kg [Rat].	Not available.
Acrylic ester oligomer		5 - 15	Not available.	Not available.
2-Methoxy-1-propanol acetate	70657-70-4	0.1 - 1	Not available.	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.

## 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 110.6°C (231.1°F) (Benzene, methyl-). Weighted average: 126.29°C (259.3°F)

Continued on Next Page

<b>Melting Point</b>	May start to solidify at -77.9°C (-108.2°F) based on data for: Acetic Acid, Butyl Ester. Weighted average: -81.62°C (-114.9°F)
<b>Critical Temperature</b>	Not available.
<b>Specific Gravity</b>	Weighted average: 0.91 (Water = 1)
<b>Vapor Pressure</b>	The highest known value is 2.9 kPa (21.9 mm Hg) (at 20°C) (Benzene, methyl-). Weighted average: 1.78 kPa (13.35 mm Hg) (at 20°C)
<b>Vapor Density</b>	The highest known value is 4.6 (Air = 1) (Acrylated oligomer). Weighted average: 3.66 (Air = 1)
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	The lowest known value is 0.04 ppm (Acetic Acid, Butyl Ester)
<b>Water/Oil Dist. Coeff.</b>	The product is more soluble in octanol.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	See solubility in water, methanol, diethyl ether, n-octanol, acetone.
<b>Solubility</b>	Easily soluble in methanol, diethyl ether, acetone. Partially soluble in n-octanol. Very slightly soluble in cold water, hot water.

## Section 4. Fire and Explosion Hazard

<b>The Product is:</b>	Flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Highly flammable in presence of open flames, sparks and static discharge, of heat.
<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. (Acetic Acid, Butyl Ester)
<b>Flash Points</b>	The lowest known value is Closed cup: 6°C (42.8°F). (Tagliabue.). Open cup: 9°C (48.2°F). (Tagliabue). (Benzene, methyl-)
<b>Flammable Limits</b>	The greatest known range is Lower: 1.3% Upper: 13.1% (2-Propanol, 1-methoxy, acetate)
<b>Auto-Ignition Temperature</b>	The lowest known value is 407°C (764.6°F) (Acetic Acid, Butyl Ester).
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Highly 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>	Avoid contact with oxidizing agents. (Acrylated oligomer)
<b>Incompatibility with various substances</b>	Reactive with oxidizing agents, reducing agents, acids, alkalis. Slightly reactive to reactive with organic materials.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	High temperatures, inhibitor depletion, accidental impurities, exposure to radiation, oxidizers may cause spontaneous reaction generating heat and or pressure. Closed containers may rupture or explode during runaway polymerization. (Acrylated oligomer)
<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): 2600 mg/kg [Rat.]. (Benzene, methyl-). Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Acetic Acid, Butyl Ester).
<b>Effects of Acute Exposure</b>	Hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).
<b>Chronic Effects on Humans</b>	<b>CARCINOGENIC EFFECTS:</b> Not available. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to blood, the nervous system. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	LD50 Dermal: >2000 mg/kg rabbit. (1H-Benzotriazole, 4(or5)-methyl-)
<b>Special Remarks on Chronic Effects on Humans</b>	Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. (Benzene, methyl-)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Material is irritating to mucous membranes and upper respiratory tract. (Acetic Acid, Butyl Ester)
<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. 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>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<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. Keep away from incompatibles such as oxidizing agents, reducing agents, acids, alkalis.
<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><b>WARNING:</b> This product contains chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm: Quartz (SiO<sub>2</sub>); Benzene, methyl-</p> <p><b>WARNING:</b> This product contains chemical(s) known to the State of California to cause birth defects or other reproductive harm.: Benzene, methyl-</p> <p><b>WARNING:</b> This product contains chemical(s) known to the State of California to cause cancer.: Quartz (SiO<sub>2</sub>)</p> <p>New York release reporting list: Acetic Acid, Butyl Ester</p> <p>Pennsylvania RTK: Acetic Acid, Butyl Ester; CYCLOTETRASILOXANE, OCTAMETHYL-; Benzene, methyl-</p> <p>Florida: Acetic Acid, Butyl Ester</p> <p>Minnesota: Acetic Acid, Butyl Ester</p> <p>Massachusetts RTK: Acetic Acid, Butyl Ester</p> <p>New Jersey: Acetic Acid, Butyl Ester; CYCLOTETRASILOXANE, OCTAMETHYL-; Benzene, methyl-</p> <p>TSCA 8(b) inventory: Acetic Acid, Butyl Ester; Benzene, methyl-</p> <p>TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester</p> <p>TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Butyl Ester; Benzene, methyl-: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard</p> <p>CERCLA: Hazardous substances.: Acetic Acid, Butyl Ester; Benzene, methyl-: 1000 lbs. (453.6 kg);</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>HCS (U.S.A.)</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-2B: Material causing other toxic effects (TOXIC).</b></p> <p>Flammable liquid</p> <p>Irritating material</p> <p>Target organ effects</p>
<b>Hazardous Material Information System (U.S.A.)</b>	<p><b>Health Hazard</b></p> <p><b>Fire Hazard</b></p> <p><b>Reactivity</b></p> <p><b>Personal Protection</b></p>	<p>* 1</p> <p>3</p> <p>0</p> <p>G</p>
<b>National Fire Protection Association (U.S.A.)</b>	<p><b>Health</b></p> <p><b>Fire Hazard</b></p> <p><b>Reactivity</b></p> <p><b>Specific Hazard</b></p>	<p>0</p> <p>0</p> <p>0</p>

## 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.
<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.
<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**

**References** -Manufacturers Material Safety Data Sheets.

**Other Special Considerations** Not available.

**Related Information** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

**Preparation Information** **Validated by Florendo Tarnate on 9/16/2005.**

**Verified by Florendo Tarnate.**

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### **Notice to Reader**

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