

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **824-1725 RLS 588 W/B PICKLING DUST BROWN (C37105)**

Supplier - Manufacturer **Chemcraft International Inc.,**  
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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code 824-1725

Synonym RLS 588 W/B PICKLING DUST BROWN (C37105)

Chemical Name Not applicable.

Chemical Family Synthetic polymer in water and organic solvent. (Paint.)

Chemical Formula Not applicable.

Material Uses Coatings: Surface coatings and finishes.

Product Identification Number (PIN) Not regulated.

## Section 2. Hazardous Ingredients

### Exposure limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
Ethylene glycol monobutyl ether	111-76-2	0.1 - 1	ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig]. DERMAL (LD50): Acute: >2000 mg/kg [Guinea pig]. 435 mg/kg [Rabbit]. 490 mg/kg [Rat]. VAPOR (LC50): Acute: >633 ppm 1 hour/hours [Guinea pig].	OSHA (United States). TWA: 25 ppm ACGIH (United States). TWA: 25 ppm
Silica quartz	14808-60-7	0.1 - 1	Not available.	ACGIH (United States). Notes: Respirable TWA: 0.1 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 100°C (212°F) (Water).

Melting Point May start to solidify at 0°C (32°F) based on data for: Water.

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<b>Critical Temperature</b>	Not available.
<b>Specific Gravity</b>	Weighted average: 1.01 (Water = 1)
<b>Vapor Pressure</b>	The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water).
<b>Vapor Density</b>	The highest known value is 1 (Air = 1) (Water).
<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	Not available.
<b>Water/Oil Dist. Coeff.</b>	Not available.
<b>Ionicity (in Water)</b>	Not available.
<b>Dispersion Properties</b>	Not dispersible in cold water, hot water, methanol. See solubility in methanol.
<b>Solubility</b>	Easily soluble in methanol. Very slightly soluble in diethyl ether. Insoluble in cold water, hot water.

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

<b>The Product is:</b>	Non-flammable.
<b>Fire Hazards in Presence of Various Substances</b>	Not applicable
<b>Fire Fighting Media and Instructions</b>	Not applicable.
<b>Special Remarks on Fire Hazards</b>	Non-flammable aqueous emulsion. Material may burn after evaporation of liquids.
<b>Flash Points</b>	Not applicable.
<b>Flammable Limits</b>	Not applicable.
<b>Auto-Ignition Temperature</b>	Not applicable.
<b>Products of Combustion</b>	Not available.
<b>Explosion hazards in the presence of various substances</b>	Not applicable
<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>	Non-reactive or compatible with the following materials: oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
<b>Corrosivity</b>	Not available.
<b>Special Remarks on Reactivity</b>	MnO <sub>2</sub> is a powerful oxidizer. (Manganese oxide (MnO <sub>2</sub> ))
<b>Special Remarks on Corrosivity</b>	Not available.

## Section 6. Toxicological Properties

Routes of Entry	Not available.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Effects of Acute Exposure	Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation. Severe over-exposure can result in death.
Chronic Effects on Humans	Slightly hazardous in case of inhalation. <b>CARCINOGENIC EFFECTS:</b> Classified 1 (Proven for humans.) by IARC, + (Proven.) by OSHA, + (Proven.) by NIOSH [Quartz (SiO <sub>2</sub> )]. <b>MUTAGENIC EFFECTS:</b> Not available. <b>TERATOGENIC EFFECTS:</b> Not available. <b>DEVELOPMENTAL TOXICITY:</b> Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Special Remarks on Toxicity to Animals	Formaldehyde has caused cancer in test animals at high concentrations (5-15 ppm). (Formaldehyde)
Special Remarks on Chronic Effects on Humans	Decrease of sperm count in human. (Manganese oxide (MnO <sub>2</sub> ))
Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (Ethanol, 2-butoxy-)
Exposure Limits	Not available.

## Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	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.
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 close to the workstation location.
Small Spill	Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.
Large Spill	Stop leak if without risk. Do not allow water to enter container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal. Finish cleaning by flushing the contaminated surface with water and allowing it to run to the foul sewer.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep locked up. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.
TDG Classification	-
PIN	Not regulated. <b>PG:</b> -
Special Provisions for Transport	-

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<b>Federal and State Regulations</b>	<b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.: Formaldehyde; Quartz (SiO <sub>2</sub> ) <b>WARNING:</b> This product contains chemical/chemicals known to the state of California to cause cancer.: Formaldehyde; Quartz (SiO <sub>2</sub> ) Pennsylvania RTK: Ethanol, 2-butoxy- New Jersey: Ethanol, 2-butoxy- TSCA 8(b) inventory: Ethylene glycol monobutyl ether; Ethanol, 2-butoxy-	
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).  <b>OSHA: Standard for Occupational Exposure to Formaldehyde 29CFR 1910.1048 must be consulted before initial use of product</b>	
<b>Other Classifications</b>	<b>WHMIS (Canada)</b>	<b>Class D-2A: Material causing other toxic effects (Very toxic).</b>
	<b>HCS (U.S.A.)</b>	Contains material which may cause cancer Toxic Target organ effects
<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 0
	<b>Fire Hazard</b>	0
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	G
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	0
	<b>Fire Hazard</b>	0
	<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. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.
<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 immediately.
<b>Hazardous Inhalation</b>	Not available.
<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.

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**Preparation Information Validated by A. Davis on 1/5/2006.**

**Verified by A. Davis.**

**Printed 6/13/2006.**

**Information Contact**

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**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.*