

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **C34178 RLS 869 TONER**
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 C34178
Synonym RLS 869 TONER
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

Name	CAS #	% by Weight	Exposure Limits	
			LC ₅₀ /LD ₅₀	TLV/PEL
Methyl alcohol	67-56-1	60-100	ORAL (LD50): Acute: 6200 mg/kg [Rat.]. 5600 mg/kg [Rat]. DERMAL (LD50): Acute: 15800 mg/kg [Rabbit.].	OSHA (Canada). TWA: 200 ppm ACGIH (Canada, 2000). TWA: 200 ppm STEL: 250 ppm

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 64.5°C (148.1°F) (Methanol).
Melting Point May start to solidify at -97.8°C (-144°F) based on data for: Methanol.
Critical Temperature Not available.
Specific Gravity The only known value is 0.79 (Water = 1) (Methanol).
Vapor Pressure The highest known value is 12.2 kPa (91.8 mmHg) (at 20°C) (Methanol).
Vapor Density The highest known value is 1.11 (Air = 1) (Methanol).
Volatility Not available.
Odor Threshold Not available.

Continued on Next Page

Water/Oil Dist. Coeff.	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	See solubility in water, methanol, diethyl ether.
Solubility	Easily soluble in cold water, hot water, methanol, diethyl ether.

Section 4. Fire and Explosion Hazard

The Product is:	Non-flammable.
Fire Hazards in Presence of Various Substances	Not applicable.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Products of Combustion	These products are carbon oxides (CO, CO ₂).
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	Highly reactive with oxidizing agents.
Corrosivity	Not available.
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): 5600 mg/kg [Rat]. (Methanol). Acute dermal toxicity (LD50): 15800 mg/kg [Rabbit.]. (Methanol). Acute toxicity of the vapor (LC50): 64000 ppm 4 hour(s) [Rat.]. (Methanol).
Effects of Acute Exposure	Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (permeator). Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of eye contact (irritant).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [Methanol]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to the nervous system. 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	May be fatal or cause blindness if swallowed. Animal: embryotoxic, passes through the placental barrier. (Methanol)

Continued on Next Page

Special Remarks on Other Toxic Effects on Humans Narcotic. (Methanol)
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. 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.

Small Spill Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Waste Disposal Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Precautions Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with skin. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

TDG Classification 3

PIN 1263 PAINT **PG:** II

Special Provisions for Transport

Federal and State Regulations New York release reporting list: Methanol
 Rhode Island RTK hazardous substances: Methanol
 Pennsylvania RTK: Methanol: (environmental hazard)
 Florida: Methanol
 Minnesota: Methanol
 Massachusetts RTK: Methanol
 New Jersey: Methanol
 SARA 302/304/311/312 hazardous chemicals: Methanol
 SARA 313 toxic chemical notification and release reporting: Methanol 99.262%
 CERCLA: Hazardous substances.: Methanol;

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).

HCS (U.S.A.) Class: Target organ effects.

Hazardous Material Information System (U.S.A.)

Health Hazard	*	2
Fire Hazard		0
Reactivity		0
Personal Protection		G

National Fire Protection Association (U.S.A.)

Health	2
Fire Hazard	0
Reactivity	0
Specific Hazard	

Section 8. First Aid Measures

Eye Contact	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.
Skin Contact	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.
Hazardous Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.
Hazardous Inhalation	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.
Ingestion	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.
Hazardous Ingestion	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 C.M. Kelly on 2/7/2003. Verified by C.M. Kelly. Printed 5/27/2003.
Information Contact	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.