

# Material Safety Data Sheet

## Section 1. Product Identification and Use

Product Name - Trade Name **194-263 YELLOW R**

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 194-263

Synonym YELLOW R

Chemical Name Not applicable.

Chemical Family Coloring material.

Chemical Formula Not applicable.

Material Uses Coatings: Additives for surface coatings

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 monopropyl ether	2807-30-9	30 - 50	ORAL (LD50): Acute: 3089 mg/kg [Rat]. DERMAL (LD50): Acute: 1337 mg/kg [Rabbit]. VAPOR (LC50): Acute: 1530 mg/l 8 hour/hours [Rabbit].	TWA: 25 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. (Fluid liquid.)

Color Yellow. (Dark.) Odor Slight. Taste Not available.

Molecular Weight Not applicable.

pH (1% soln/water) Neutral.

Boiling Point The lowest known value is 100°C (212°F) (Water). Weighted average: 135.36°C (275.6°F)

Melting Point May start to solidify at 0°C (32°F) based on data for: Water. Weighted average: -64.29°C (-83.7°F)

Critical Temperature Not available.

Specific Gravity Weighted average: 0.94 (Water = 1)

Vapor Pressure The highest known value is 2.3 kPa (17.2 mm Hg) (at 20°C) (Water). Weighted average: 0.8 kPa (6 mm Hg) (at 20°C)

Vapor Density The highest known value is 1 (Air = 1) (Water). Weighted average: 0.64 (Air = 1)

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<b>Volatility</b>	Not available.
<b>Odor Threshold</b>	Not available.
<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. Soluble in n-octanol.

## Section 4. Fire and Explosion Hazard

<b>The Product is:</b>	Combustible.
<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. Flammable in the presence of the following materials or conditions: heat, oxidizing materials, reducing materials and combustible materials. Non-flammable in the presence of the following materials or conditions: shocks and mechanical impacts, organic materials, metals, acids, alkalis and moisture.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.
<b>Special Remarks on Fire Hazards</b>	Keep container tightly closed. Store away from direct sunlight. (Ethanol, 2-propoxy-)
<b>Flash Points</b>	Closed cup: Between 61°C (142°F) and 93.3°C (200°F).
<b>Flammable Limits</b>	The greatest known range is Lower: 1.26% Upper: 15.8% (Ethanol, 2-propoxy-)
<b>Auto-Ignition Temperature</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Explosion Hazards in Presence of Various Substances</b>	Non-explosive in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, shocks and mechanical impacts, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture.
<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>	Reactive or incompatible with the following materials: oxidizing materials, reducing materials, organic materials, acids and alkalis. Non-reactive or compatible with the following materials: combustible materials, metals and moisture.
<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. Inhalation. Ingestion.
<b>Toxicity to Animals</b>	Acute oral toxicity (LD50): 3089 mg/kg [Rat]. (Ethanol, 2-propoxy-). Acute dermal toxicity (LD50): 1337 mg/kg [Rabbit]. (Ethanol, 2-propoxy-). Acute toxicity of the vapor (LC50): 1530 mg/l 8 hour/hours [Rabbit]. (Ethanol, 2-propoxy-).
<b>Effects of Acute Exposure</b>	Very hazardous in case of skin contact (permeator), of ingestion, of inhalation. Slightly hazardous in case of skin 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, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
<b>Special Remarks on Toxicity to Animals</b>	Not available.
<b>Special Remarks on Chronic Effects on Humans</b>	May contain traces of ethylene oxide . Ethylene oxide has been reported to be a potential carcinogen. (Ethanol, 2-propoxy-)
<b>Special Remarks on Other Toxic Effects on Humans</b>	Material is irritating to mucous membranes and upper respiratory tract. (Ethanol, 2-propoxy-)
<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. 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.
<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, organic materials, acids, alkalis.
<b>Storage</b>	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>	-
<b>PIN</b>	Not regulated. <b>PG:</b> -
<b>Special Provisions for Transport</b>	-
<b>Federal and State Regulations</b>	Pennsylvania RTK: Ethanol, 2-propoxy- New Jersey: Ethanol, 2-propoxy- SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Ethanol, 2-propoxy-: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
<b>Other Classifications</b>	<b>WHMIS (Canada)</b> <b>Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).</b> <b>Class D-2B: Material causing other toxic effects (Toxic).</b> <b>HCS (U.S.A.)</b> Target organ effects Combustible liquid

<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 1
	<b>Fire Hazard</b>	2
	<b>Reactivity</b>	0

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	<b>Personal Protection</b>	G
<b>National Fire Protection Association (U.S.A.)</b>	<b>Health</b>	1
	<b>Fire Hazard</b>	2
	<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.
<b>Skin Contact</b>	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. Clean shoes thoroughly before reuse. Get medical attention.
<b>Hazardous Skin Contact</b>	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate 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 if symptoms appear.
<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>	This material contains Chromium at 1.1% w/w.
<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 A. Davis on 12/21/2005.</b> <b>Verified by A. Davis.</b> <b>Printed 10/7/2006.</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

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