

# Material Safety Data Sheet

## Section 1. Product Identification and Use

**Product Name - Trade Name**      **230-7104 CRACKLELACQUER NEUTRAL(C29980)**

**Supplier - Manufacturer**      Chemcraft International Inc.,  
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Canada L1A 3Z3

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### For Transport Emergency or After Hours

CANUTEC (613) 996-6666

**Code**      230-7104

**Synonym**      CRACKLE LACQUER NEUTRAL (C29980)

**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

### Exposure limits

Name	CAS #	% by Weight	LC <sub>50</sub> /LD <sub>50</sub>	TLV/PEL
n-Butyl acetate	123-86-4	30 - 50	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	30 - 50	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>
Acetone	67-64-1	5 - 15	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	1 - 5	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
Zinc Stearate	557-05-1	1 - 5	Not available.	<b>ACGIH (Canada).</b> TWA: 10 mg/m <sup>3</sup> CEIL: 20 mg/m <sup>3</sup>
Silica, amorphous	7631-86-9	1 - 5	ORAL (LD50): Acute: 3160 mg/kg [Rat].	<b>OSHA (Canada).</b> TWA: 6 mg/m <sup>3</sup>
Isopropanol	67-63-0	1 - 5	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	<b>ACGIH (Canada, 1994).</b> TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m <sup>3</sup> STEL: 1230 mg/m <sup>3</sup>

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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**

<b>Physical State and Appearance</b>	Liquid.				
<b>Color</b>	Not available.	<b>Odor</b>	Not available.	<b>Taste</b>	Not available.
<b>Molecular Weight</b>	Not applicable.				
<b>pH (1% soln/water)</b>	Neutral.				
<b>Boiling Point</b>	The lowest known value is 56.2°C (133.2°F) (2-Propanone). Weighted average: 105.7°C (222.3°F)				
<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: -87.7°C (-125.9°F)				
<b>Critical Temperature</b>	Not available.				
<b>Specific Gravity</b>	Weighted average: 0.88 (Water = 1)				
<b>Vapor Pressure</b>	The highest known value is 24.1 kPa (181 mm Hg) (at 20°C) (2-Propanone). Weighted average: 9.46 kPa (70.96 mm Hg) (at 20°C)				
<b>Vapor Density</b>	The highest known value is 4 (Air = 1) (Acetic Acid, Butyl Ester). Weighted average: 3.19 (Air = 1)				
<b>Volatility</b>	Not available.				
<b>Odor Threshold</b>	The lowest known value is 0.04 ppm (Acetic Acid, Butyl Ester) Weighted average: 1.42 ppm				
<b>Water/Oil Dist. Coeff.</b>	The product is much more soluble in octanol.				
<b>Ionicity (in Water)</b>	Not available.				
<b>Dispersion Properties</b>	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol.				
<b>Solubility</b>	Easily soluble in methanol, diethyl ether. Soluble in n-octanol. Insoluble 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 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: -18°C (-0.4°F). (T.C.C. ). (2-Propanone)
<b>Flammable Limits</b>	The greatest known range is Lower: 6% Upper: 36.5% (Methanol)
<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> ). Some metallic oxides.
<b>Explosion Hazards in Presence of Various Substances</b>	Highly explosive in presence of open flames, sparks and static discharge. Explosive in presence of shocks.
<b>Special Remarks on Explosion Hazards</b>	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, reducing agents, acids, alkalis. Slightly reactive to reactive with organic materials.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with hydrogen fluoride. (Silica)
Special Remarks on Corrosivity	Not available.

## Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 2600 mg/kg [Rat.]. (Benzene, methyl-). Acute dermal toxicity (LD50): 5000 mg/kg [Rabbit]. (Acetic Acid, Butyl Ester). Acute toxicity of the vapor (LC50): 16000 ppm 4 hour(s) [Rat.]. (2-Propanone).
Effects of Acute Exposure	Very hazardous in case of skin contact (permeator), of ingestion, of inhalation.
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 4 (Probably not for human.) by IARC, None. by OSHA [Octadecanoic acid, zinc salt]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [2-Propanol]. <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	Inhalation of vapors may cause dizziness, an irregular heartbeat, narcosis, nausea or asphyxiation. (Benzene, methyl-)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Acetic Acid, Butyl Ester)
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. Impervious gloves.
Personal Protection in Case of a Large Spill	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.
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.

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<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. Take precautionary measures against electrostatic discharges. 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: Benzene; Benzene, methyl-</p> <p><b>WARNING:</b> This product contains chemical(s) known to the State of California to cause reproductive harm (male): Benzene</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; Benzene, methyl-</p> <p><b>WARNING:</b> This product contains chemical(s) known to the State of California to cause cancer.: Benzene</p> <p>New York release reporting list: Acetic Acid, Butyl Ester; Methanol Rhode Island RTK hazardous substances: Methanol Pennsylvania RTK: Acetic Acid, Butyl Ester; Isopropyl alcohol; Benzene, methyl-; Methanol: (environmental hazard) Florida: Acetic Acid, Butyl Ester; Methanol Minnesota: Acetic Acid, Butyl Ester; Methanol Massachusetts RTK: Acetic Acid, Butyl Ester; Isopropyl alcohol; Methanol New Jersey: Acetic Acid, Butyl Ester; Isopropyl alcohol; Benzene, methyl-; Methanol TSCA 8(b) inventory: Acetic Acid, Butyl Ester; Isopropyl alcohol; Benzene, methyl- TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester SARA 302/304/311/312 extremely hazardous substances: Isopropyl alcohol SARA 302/304/311/312 hazardous chemicals: Methanol SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Butyl Ester; 2-Propanol: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Benzene, methyl-: Fire hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard CERCLA: Hazardous substances.: Acetic Acid, Butyl Ester; 2-Propanone: 5000 lbs. (2268 kg); Benzene, methyl-: 1000 lbs. (453.6 kg); Methanol;</p>	
<b>Other Regulations</b>	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).	
<b>Other Classifications</b>	<b>WHMS (Canada)</b>	<b>Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).</b> <b>Class D-1A: Material causing immediate and serious toxic effects (VERY TOXIC).</b> <b>Class D-2A: Material causing other toxic effects (VERY TOXIC).</b> <b>Class D-2B: Material causing other toxic effects (TOXIC).</b>
	<b>HCS (U.S.A.)</b>	Flammable liquid Irritating material Target organ effects
<b>Hazardous Material Information System (U.S.A.)</b>	<b>Health Hazard</b>	* 1
	<b>Fire Hazard</b>	3
	<b>Reactivity</b>	0
	<b>Personal Protection</b>	G

National Fire Protection Association (U.S.A.)	Health	0
	Fire Hazard	0
	Reactivity	0
	Specific Hazard	

## **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>	Wash with soap and water. 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 if symptoms appear.
<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**

<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 Florendo Tarnate on 9/16/2005.</b> <b>Verified by Florendo Tarnate.</b> <b>Printed 9/16/2005.</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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