MaterialSafety DataSheet

Section 1. Product Identification and Use

Product Name - Trade Name **559-001 CRACKLELACQUER NEUTRAL**

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	559-001
Synonym	CRACKLE LACQUER NEUTRAL
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_{50}/LD_{50}**	**TLV/PEL**
METHYL ETHYL KETONE	78-93-3	70 - 100	ORAL (LD50): Acute: 3400 mg/kg [Rat]. DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].	TWA: 200 ppm STEL: 300 ppm CEIL: 300 ppm **ACGIH (United States, 1993).** TWA: 590 mg/m^3 STEL: 585 mg/m^3 CEIL: 885 mg/m^3
Silica, amorphous	7631-86-9	5 - 15	ORAL (LD50): Acute: 3160 mg/kg [Rat.].	**OSHA (United States).** TWA: 6 mg/m^3
Isopropanol	67-63-0	5 - 15	ORAL (LD50): Acute: 5045 mg/kg [Rat]. 4797 mg/kg [Dog]. 3600 mg/kg [Mouse]. DERMAL (LD50): Acute: 12800 mg/kg [Rabbit].	**ACGIH (United States, 1994).** TWA: 400 ppm STEL: 500 ppm TWA: 983 mg/m^3 STEL: 1230 mg/m^3

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 applicable.				

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Boiling Point	The lowest known value is 80°C (176°F) (S151400 METHYL ETHYL KETONE). Weighted average: 80.16°C (176.3°F)
Melting Point	May start to solidify at -85°C (-121°F) based on data for: S151400 METHYL ETHYL KETONE. Weighted average: -85.16°C (-121.3°F)
Critical Temperature	Not available.
Specific Gravity	Weighted average: 0.86 (Water = 1)
Vapor Pressure	The highest known value is 10.3 kPa (77.5 mm Hg) (at 20°C) (S151400 METHYL ETHYL KETONE). Weighted average: 9.92 kPa (74.41 mm Hg) (at 20°C)
Vapor Density	The highest known value is 2.5 (Air = 1) (S151400 METHYL ETHYL KETONE). Weighted average: 2.47 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.25 ppm (S151400 METHYL ETHYL KETONE) Weighted average: 1.66 ppm
Water/Oil Dist. Coeff.	The product is more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Not dispersible in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.
Solubility	Easily soluble in methanol, diethyl ether, acetone. Partially soluble in n-octanol. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Extremely flammable in the presence of the following materials or conditions: open flames, sparks and static discharge. Highly flammable in the presence of the following materials or conditions: heat. Non-flammable in the presence of the following materials or conditions: oxidizing materials, reducing materials, combustible materials and moisture.
Fire Fighting Media and Instructions	SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use water spray or fog. Cool containers with water jet in order to prevent pressure build-up, auto-ignition or explosion.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition, it emits acrid smoke and fumes. (2-Propanol)
Flash Points	The lowest known value is Closed cup: -4°C (24.8°F). (Tagliabue.). Open cup: -9°C (15.8°F). (S151400 METHYL ETHYL KETONE)
Flammable Limits	The greatest known range is Lower: 1.4% Upper: 11.4% (S151400 METHYL ETHYL KETONE)
Auto-Ignition Temperature	The lowest known value is 432°C (809.6°F) (2-Propanol).
Products of Combustion	These products are carbon oxides (CO, CO_2). Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Highly explosive in the presence of the following materials or conditions: open flames, sparks and static discharge and shocks and mechanical impacts.
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	Reactive or incompatible with the following materials: oxidizing materials and acids.
Corrosivity	Not available.

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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): 3160 mg/kg [Rat.]. (Silica). Acute dermal toxicity (LD50): 12800 mg/kg [Rabbit]. (2-Propanol). Acute toxicity of the vapor (LC50): 16000 ppm 8 hour/hours [Rat.]. (2-Propanol).
Effects of Acute Exposure	Very hazardous in case of ingestion, of inhalation.
Chronic Effects on Humans	Very hazardous in case of inhalation. **CARCINOGENIC EFFECTS**: Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [S151400 METHYL ETHYL KETONE]. Classified A5 (Not suspected for humans.) by ACGIH, 4 (Probably not for humans.) by IARC, None. by OSHA [2-Propanol]. **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	Detected in maternal milk in human. (2-Propanol)
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Silica)
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. 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	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 allow water to enter container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas. Dike if necessary. Call for assistance on disposal.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	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.
Storage	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).

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TDG Classification 3

PIN 1263 PAINT **PG:** II

Special Provisions for Transport -

Federal and State Regulations
Pennsylvania RTK: Isopropyl alcohol
Massachusetts RTK: Isopropyl alcohol
New Jersey: Isopropyl alcohol
TSCA 8(b) inventory: Isopropyl alcohol
SARA 302/304/311/312 extremely hazardous substances: Isopropyl alcohol
SARA 311/312 MSDS distribution - chemical inventory - hazard identification: S151400
METHYL ETHYL KETONE: Fire hazard, Immediate (acute) health hazard; 2-Propanol: Fire hazard, Immediate (acute) health hazard, Delayed (chronic) health hazard
CERCLA: Hazardous substances.: S151400 METHYL ETHYL KETONE;

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

WHMIS (Canada)	**Class B-2: Flammable liquid** **Class D-2A: Material causing other toxic effects (Very toxic).** **Class D-2B: Material causing other toxic effects (Toxic).**
HCS (U.S.A.)	Highly toxic Target organ effects

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

Health Hazard	*	1
Fire Hazard		3
Reactivity		0
Personal Protection		G

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

Health	1
Fire Hazard	3
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. Get medical attention.

Skin Contact Wash with soap and water. Get medical attention if irritation develops.

Hazardous Skin Contact Not available.

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 Move 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 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.

Hazardous Ingestion Not available.

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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 K. William on 7/18/2006.** **Verified by K. William.** **Printed 8/9/2007.**
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

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