

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **541-351 RLS 161 CHEMGLAZE CHOCOLATE [CA 07222]**

Supplier - Manufacturer **Chemcraft International Inc.,**

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Code 541-351
Synonym RLS 161 CHEMGLAZE CHOCOLATE [CA 07222]
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
Mineral spirits	8052-41-3	30-60	ORAL (LD50): Acute: 5000 mg/kg [Rat]. DERMAL (LD50): Acute: 3160 mg/kg [Rabbit].	ACGIH (Canada). TWA: 525 mg/m ³ CEIL: 720 mg/m ³ Not available.
Raw linseed oil	8001-26-1	1-5	Not available.	Not available.
Silica quartz	14808-60-7	0.1-1	Not available.	ACGIH (Canada). Notes: Respirable TWA: 0.1 mg/m ³ Not available.
Heavy naphtha, hydrotreated	64742-48-9	10-30	Not available.	Not available.
Carbon black	1333-86-4	1-5	ORAL (LD50): Acute: 10000 mg/kg [Rat].	ACGIH (Canada). TWA: 3.5 mg/m ³ CEIL: 7 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.

Boiling Point The lowest known value is 93°C (199.4°F) (Naphtha (petroleum), hydrotreated heavy). Weighted average: 147.32°C (297.2°F)

Melting Point May start to solidify at -19°C (-2.2°F) based on data for: Linseed oil.

Critical Temperature Not available.

Specific Gravity Weighted average: 0.85 (Water = 1)

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Vapor Pressure	The highest known value is 0.3 kPa (2 mmHg) (at 20°C) (Stoddard solvent).
Vapor Density	The highest known value is 3.45 (Air = 1) (Naphtha (petroleum), hydrotreated heavy). Weighted average: 4.28 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 1 ppm (Stoddard solvent)
Water/Oil Dist. Coeff.	The product is much more soluble in octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether, n-octanol, acetone.
Solubility	Easily soluble in diethyl ether, n-octanol, acetone. Soluble in methanol. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames, sparks and static discharge. Slightly flammable to flammable in presence of heat, of combustible materials.
Fire Fighting Media and Instructions	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.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. (Naphtha (petroleum), hydrotreated heavy)
Flash Points	The lowest known value is Closed cup: -4°C (24.8°F). (Tagliabue.). (Naphtha (petroleum), hydrotreated heavy)
Flammable Limits	The greatest known range is LOWER: 1% UPPER: 13.3% (Stoddard solvent)
Auto-Ignition Temperature	The lowest known value is 229°C (444.2°F) (Stoddard solvent).
Products of Combustion	These products are carbon oxides (CO, CO ₂). Some metallic oxides.
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	Reactive with oxidizing agents, combustible materials. Slightly reactive to reactive with reducing agents, organic materials, metals, acids, alkalis.
Corrosivity	Not available.
Special Remarks on Reactivity	MnO ₂ is a powerful oxidizer. (Manganese oxide (MnO ₂))
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 5000 mg/kg [Rat]. (Stoddard solvent). Acute dermal toxicity (LD50): 3160 mg/kg [Rabbit]. (Stoddard solvent).
Effects of Acute Exposure	Hazardous in case of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

Chronic Effects on Humans	Slightly hazardous in case of inhalation. CARCINOGENIC EFFECTS: Classified 1 (Proven for human.) by IARC, + (Proven.) by OSHA, + (Proven.) by NIOSH [Quartz (SiO ₂)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, None. by OSHA [1-Butanol]. Classified 4 (Probably not for human.) by IARC, None. by OSHA [Carbon Black]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, 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	Carbon black contains trace amounts absorbed polynuclear aromatic compounds (PAH), some of which have been found to be carcinogens in animal studies. Carbon black has not been shown to cause cancer in humans or animals. (Carbon Black)
Special Remarks on Other Toxic Effects on Humans	Moderately toxic and narcotic in high concentrations. (Naphtha (petroleum), hydrotreated heavy)
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. 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. 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.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep locked up. 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. 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. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, combustible materials.
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).
TDG Classification	3
PIN	1263 PAINT PG: II
Special Provisions for Transport	
Federal and State Regulations	California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene; Benzene, methyl-; Quartz (SiO ₂); Carbon Black California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Benzene California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Benzene; Benzene, methyl- California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Benzene; Quartz (SiO ₂); Carbon Black Illinois toxic substances disclosure to employee act: Benzene, ethyl- New York release reporting list: Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester New York acutely hazardous substances: Benzene, ethyl- Rhode Island RTK hazardous substances: Benzene, ethyl- Pennsylvania RTK: 1,2,4-Trimethylbenzene; Benzene, dimethyl-; Acetic Acid, Butyl Ester; Benzene,

methyl-; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester
 Florida: Acetic Acid, Butyl Ester; Benzene, ethyl-; Acetic Acid, Butyl Ester
 Minnesota: Acetic Acid, Butyl Ester; Benzene, ethyl-; Acetic Acid, Butyl Ester
 Massachusetts RTK: Acetic Acid, Butyl Ester; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester
 New Jersey: 1,2,4-Trimethylbenzene; Acetic Acid, Butyl Ester; Benzene, methyl-; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Acetic acid, 2-methylpropyl ester; Acetic Acid, Butyl Ester
 TSCA 8(b) inventory: Benzene, dimethyl-; Acetic Acid, Butyl Ester; Benzene, methyl-; N-Butyl Alcohol; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-; Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester
 TSCA 5(e) substance consent order: Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester
 TSCA 8(d) H and S data reporting: Benzene, ethyl-
 TSCA 12(b) annual export notification: Acetic Acid, Butyl Ester; Acetic Acid, Butyl Ester
 SARA 302/304/311/312 extremely hazardous substances: N-Butyl Alcohol; 1-Butanol
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Benzene, dimethyl-: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Acetic Acid, Butyl Ester; Benzene, methyl-: Fire Hazard, Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard; Quartz (SiO2): Delayed (Chronic) Health Hazard; Solvent naphtha (petroleum), light aliph.: Fire Hazard, Immediate (Acute) Health Hazard; Isobutyl alcohol: Fire Hazard, Delayed (Chronic) Health Hazard; Acetic acid, 2-methylpropyl ester: Fire Hazard, Immediate (Acute) Health Hazard; Benzene, ethyl-: Fire Hazard, Immediate (Acute) Health Hazard; 1-Propanol, 2-methyl-: Fire Hazard, Delayed (Chronic) Health Hazard
 SARA 313 toxic chemical notification and release reporting: Benzene, methyl- 0.28758%; N-Butyl Alcohol 0.12085%; Manganese oxide (MnO2) 0.89429%; 1-Butanol 0.287465%
 CERCLA: Hazardous substances.: Benzene, dimethyl-: 100 lbs. (45.36 kg); Acetic Acid, Butyl Ester; Benzene, methyl-: 1000 lbs. (453.6 kg); N-Butyl Alcohol; Isobutyl alcohol; Acetic acid, 2-methylpropyl ester; Benzene, ethyl-: 1000 lbs. (453.6 kg); Acetic acid, 2-methylpropyl ester; 1-Butanol; Acetic Acid, Butyl Ester; 1-Propanol, 2-methyl-;

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-2A: Material causing other toxic effects (VERY TOXIC).
Class D-2B: Material causing other toxic effects (TOXIC).

HCS (U.S.A.) Class: Contains material which can cause cancer.
 Class: Flammable liquid having a flash point lower than 37.8°C (100°F).
 Class: 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.
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 10/19/2004. Verified by C.M. Kelly. Printed 4/4/2005.
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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