

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **541-351 RLS 161 CHEMGLAZE CHOCOLATE**

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

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Code 541-351
Synonym RLS 161 CHEMGLAZE CHOCOLATE
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
Solvent naphtha (petroleum), medium aliph.	64742-88-7	60-100	Not available.	Not available.
Raw linseed oil	8001-26-1	1-5	Not available.	Not available.
Silica quartz	14808-60-7	0.1-1	Not available.	TWA: 0.1 (mg/m ³) from ACGIH (TLV) [United States] Respirable.
Xylenes	1330-20-7	1-5	ORAL (LD50): Acute: 4300 mg/kg [Rat].	TWA: 100 (ppm) from ACGIH (TLV) [United States] [1992] TWA: 150 (ppm) from ACGIH (TLV) [United States] STEL: 651 (mg/m ³) from ACGIH (TLV) [United States]
Carbon black	1333-86-4	1-5	ORAL (LD50): Acute: 10000 mg/kg [Rat].	TWA: 3.5 CEIL: 7 (ppm) from ACGIH (TLV) [United States]

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 138.5°C (281.3°F) (Benzene, dimethyl-). Weighted average: 322.11°C (611.8°F)

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

Critical Temperature Not available.

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Specific Gravity	Weighted average: 0.87 (Water = 1)
Vapor Pressure	The highest known value is 0.8 kPa (@ 20°C) (Benzene, dimethyl-). Weighted average: 0.31 kPa (@ 20°C)
Vapor Density	The highest known value is 3.7 (Air = 1) (Benzene, dimethyl-). Weighted average: 1.9 (Air = 1)
Volatility	Not available.
Odor Threshold	The highest known value is 0.3 ppm (Benzene, dimethyl-)
Water/Oil Dist. Coeff.	The product is much more soluble in oil.
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 methanol, diethyl ether, n-octanol, acetone. Insoluble in cold water, hot water.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Flammable in presence of open flames and sparks, of combustible materials. Non-flammable in presence of shocks, of organic materials, of metals, of acids, of alkalis, of moisture.
Fire Fighting Media and Instructions	Flammable liquid, insoluble in water. 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	Dangerous; this product may polymerize and ignite spontaneously in air. (Linseed oil)
Flash Points	The lowest known value is CLOSED CUP: 24°C (75.2°F). (Tagliabue.). OPEN CUP: 37.8°C (100°F). (Cleveland). (Benzene, dimethyl-)
Flammable Limits	The greatest known range is LOWER: 1.1% UPPER: 7% (Benzene, dimethyl-)
Auto-Ignition Temperature	The lowest known value is 500°C (932°F) (Benzene, dimethyl-).
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. Slightly explosive in presence of open flames and sparks.
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, metals. Slightly reactive to reactive with reducing agents, alkalis. Non-reactive with organic materials, moisture.
Corrosivity	Non-corrosive in presence of glass, of aluminum, of zinc, of copper, of stainless steel(304), of stainless steel(316).
Special Remarks on Reactivity	Not available.
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Not available.
Toxicity to Animals	Acute oral toxicity (LD50): 4300 mg/kg [Rat.]. (Benzene, dimethyl-). Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. (Benzene, dimethyl-).
Effects of Acute Exposure	Slightly hazardous in case of skin contact (permeator), of ingestion, of inhalation.
Chronic Effects on Humans	Hazardous in case of eye contact (irritant), of inhalation (lung irritant). Slightly hazardous in case of skin contact (irritant). CARCINOGENIC EFFECTS: Classified 1 (Clear evidence.) by NTP [Quartz (SiO ₂)]. Classified 2A (Probable for human.) by IARC [Quartz (SiO ₂)]. Classified None. by OSHA [Quartz (SiO ₂)]. Classified A5 (Not suspected for human.) by ACGIH, 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [1-Butanol]. Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC, D (Not classifiable for human or animal.) by EPA [Benzene, dimethyl-]. Classified 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Carbon black]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: 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	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	Material is irritating to mucous membranes and upper respiratory tract. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. (Benzene, dimethyl-)
Exposure Limits	<p>Talc TWA: 2 (ppm) from ACGIH (TLV) [United States]</p> <p>Distillates (petroleum), hydrotreated light TWA: 100 (ppb) [1990] TWA: 525 (ppm) from ACGIH (TLV) [United States]</p> <p>Quartz (SiO₂) TWA: 0.1 (mg/m³) from ACGIH (TLV) [United States] Respirable.</p> <p>Ligroine TWA: 300 (ppb) TWA: 1370 (ppm) from ACGIH (TLV) [United States]</p> <p>Stoddard solvent TWA: 100 CEIL: 125 (ppb) TWA: 525 CEIL: 720 (ppm) from ACGIH (TLV) [United States]</p> <p>Aluminum oxide TWA: 10 (mg/m³) from ACGIH (TLV) [United States] TWA: 10 CEIL: 20 (ppm)</p> <p>1-Butanol TWA: 50 CEIL: 50 (ppb)</p> <p>1-Propanol, 2-methyl- TWA: 50 (ppb) from ACGIH (TLV) [United States] [1993]</p> <p>Solvent naphtha (petroleum), light aliph. TWA: 400 (ppb)</p> <p>Acetic acid, 2-methylpropyl ester TWA: 150 (ppb)</p> <p>Benzene, dimethyl- TWA: 100 (ppm) from ACGIH (TLV) [United States] [1992] TWA: 150 (ppm) from ACGIH (TLV) [United States] STEL: 651 (mg/m³) from ACGIH (TLV) [United States]</p> <p>Carbon black TWA: 3.5 CEIL: 7 (ppm) from ACGIH (TLV) [United States]</p> <p>Consult local authorities for acceptable exposure limits.</p>

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Neoprene gloves.	
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Neoprene 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 threshold limit value. 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	Toxic flammable liquid, insoluble or very slightly soluble in water. 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. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.	
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. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, combustible materials, metals.	
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	Class 3: Flammable liquid.	
PIN	1263 PAINT	PG: II
Special Provisions for Transport	Not available.	
Federal and State Regulations	<p>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: Quartz (SiO₂); Benzene, ethyl-; Benzene, dimethyl-</p> <p>California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Quartz (SiO₂)</p> <p>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: Quartz (SiO₂)</p> <p>New York release reporting list: Benzene, dimethyl-</p> <p>Rhode Island RTK hazardous substances: Benzene, dimethyl-</p> <p>Pennsylvania RTK: Isobutyl Acetate; Benzene, dimethyl-: (environmental hazard)</p> <p>Florida: Benzene, dimethyl-</p> <p>Minnesota: Benzene, dimethyl-</p> <p>Michigan critical material: Benzene, dimethyl-</p> <p>Massachusetts RTK: Isobutyl Acetate; Benzene, dimethyl-</p> <p>New Jersey: Isobutyl Acetate; Benzene, dimethyl-</p> <p>TSCA 8(b) inventory: N-Butyl Alcohol; Isobutyl Acetate; Benzene, ethyl-; Benzene, dimethyl-</p> <p>SARA 302/304/311/312 extremely hazardous substances: N-Butyl Alcohol</p> <p>SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Quartz (SiO₂): delayed health hazard; Isobutyl alcohol: fire, delayed health hazard; Benzene, ethyl-: fire, immediate health hazard; Benzene, dimethyl-: fire, immediate health hazard</p> <p>SARA 313 toxic chemical notification and release reporting: N-Butyl Alcohol 0.163148%; 2-Butanol 0.181275%; Benzene, ethyl- 0.440325%; Benzene, dimethyl- 1.02742%</p> <p>CERCLA: Hazardous substances.: N-Butyl Alcohol; Isobutyl alcohol; Isobutyl Acetate; Benzene, dimethyl-: 100 lbs. (45.36 kg);</p>	
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	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
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	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 5/28/2002. Verified by C.M. Kelly. Printed 3/17/2003.
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

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