Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **541-100 CLEAR GLAZE**

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	541-100
Synonym	CLEAR GLAZE
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**
Solvent naphtha (petroleum), medium aliph.	64742-88-7	60-100	Not available.	Not available.
Raw linseed oil	8001-26-1	5-10	Not available.	Not available.

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 >149°C (300.2°F) (Linseed oil, polymer with maleic anhydride and pentaerythritol). Weighted average: 281.27°C (538.3°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: 0.88 (Water = 1)				
Vapor Pressure	The highest known value is 0.3 kPa (2 mmHg) (at 20°C) (Solvent naphtha (petroleum), medium aliph.).				
Vapor Density	The highest known value is >1 (Air = 1) (Linseed oil). Weighted average: 1.34 (Air = 1)				
Volatility	Not available.				
Odor Threshold	Not available.				
Water/Oil Dist. Coeff.	The product is more soluble in octanol.				

Continued on Next Page

Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether.
Solubility	Easily soluble in methanol, diethyl ether. Very slightly 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	Flammable in presence of open flames, sparks and static discharge, 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	Dangerous; this product may polymerize and ignite spontaneously in air. (Linseed oil)
Flash Points	The lowest known value is Closed cup: 40°C (104°F). (Solvent naphtha (petroleum), medium aliph.)
Flammable Limits	Not available.
Auto-Ignition Temperature	Not available.
Products of Combustion	Some metallic oxides.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
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.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with peroxides. (Benzene)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	LD50: Not available. LC50: Not available.
Effects of Acute Exposure	Slightly hazardous in case 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**: Not available. **MUTAGENIC EFFECTS**: Not available. **TERATOGENIC EFFECTS**: Not available. **DEVELOPMENTAL TOXICITY**: Not available.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

Continued on Next Page

Special Remarks on Other Toxic Effects on Humans	Exposure can cause nausea, headache and vomiting. (Benzene)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Safety glasses. Lab coat. Impervious gloves.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices. 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 away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. 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	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 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 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
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications	**WHMIS (Canada)** **Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).** **Class D-2B: Material causing other toxic effects (TOXIC).** **HCS (U.S.A.)** Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).
Hazardous Material Information System (U.S.A.)	**Health Hazard** 2 **Fire Hazard** 2 **Reactivity** 0 **Personal Protection** A
National Fire Protection Association (U.S.A.)	**Health** 0 **Fire Hazard** 2 **Reactivity** 0 **Specific Hazard**

Continued on Next Page

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.

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 7/14/2003.**

Verified by C.M. Kelly.

Printed 7/18/2003.

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

Notice to Reader