Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **541-154 WHITE 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	541-154
Synonym	WHITE 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	30-60	Not available.	Not available.
Raw linseed oil	8001-26-1	1-5	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 363°C (685.4°F) (Linseed oil).				
Melting Point	May start to solidify at -19°C (-2.2°F) based on data for: Linseed oil.				
Critical Temperature	Not available.				
Specific Gravity	1.43 (Water = 1)				
Vapor Pressure	The highest known value is 0.3 kPa (@ 20°C) (Solvent naphtha (petroleum), medium aliph.).				
Vapor Density	The highest known value is (Linseed oil).				
Volatility	Not available.				
Odor Threshold	Not available.				
Water/Oil Dist. Coeff.	Not available.				

Continued on Next Page

Ionicity (in Water)	Not available.
Dispersion Properties	Is not dispersed in cold water, hot water.
Solubility	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 heat, of oxidizing materials, of reducing materials, 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. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. 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. Non-reactive with reducing agents, acids, alkalis, moisture.
Corrosivity	Not available.
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): >24000 mg/kg [Rat]. (Titanium dioxide (TiO2)).
Effects of Acute Exposure	Slightly hazardous in case of ingestion, of inhalation. Non-permeator by skin.
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 4 (Probably not for human.) by IARC, 4 (No evidence.) by NTP, None. by OSHA [Titanium dioxide (TiO2)]. **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 Not available.

Exposure Limits

Talc
TWA: 2 (ppm) from ACGIH (TLV) [United States]
Titanium dioxide (TiO2)
TWA: 5 CEIL: 20 (ppm) from OSHA (PEL) [United States]

Consult local authorities for acceptable exposure limits.

Section 7. Preventive Measures

Personal Protection Safety glasses. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves (impervious).

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 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 Flammable liquid, insoluble 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 away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. 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:** III

Special Provisions for Transport Not available.

Federal and State Regulations No products were found.

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	0
Fire Hazard	2
Reactivity	0
Personal Protection	g

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 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 Carroll Kelly on 12/5/2001.**

Verified by Carroll Kelly.

Printed 9/18/2002.

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