



## MATERIAL SAFETY DATA SHEET

**PRODUCT:** 253-1100 Part A

Prepared: 22 March 2011  
Supersedes: N/A

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product:** 253-1100 Part A  
**Chemical Family:** Polyurethane polyols  
**Product Use:** Fence Post Composite Backfill  
**Responsible Party:** Chemque, Inc.  
266 Humberline Drive  
Rexdale, ON  
M9W 5X1 CANADA  
**Telephone Number:** (416) 679-5676  
**In Emergency Only:** CANUTEC Collect: (613) 996-6666 (24-hour hotline)  
Information: (613) 992-4624

### SECTION 2: HAZARDS IDENTIFICATION

**Emergency Overview:** Grey liquid.  
Eye, skin, respiratory irritant.

**Potential Health Effects:** Eyes – Can cause moderate irritation.  
Skin – Can cause irritation.  
Inhalation – May be harmful if inhaled at air concentrations above recommended exposure limits.  
Ingestion – May cause gastrointestinal irritation.  
Chronic Effects: - N/E

### SECTION 3: HAZARDOUS INGREDIENT INFORMATION

Ingredient	% (W/W)	CAS Number
Aromatic Petroleum Distillates (Naphthalene Depleted)	5 - 10	64742-94-5
Titanium Dioxide	1-5	13463-67-7

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flush eyes with water for 15 minutes. Call a physician if irritation occurs.

**Skin:** Remove affected clothing. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Contact physician if irritation occurs.

**Inhalation:** Move to fresh air. If breathing difficulties persist, administer oxygen and seek medical attention.

**Ingestion:** Drink 1-2 cups of milk or water. Do not induce vomiting. Call a physician.



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### SECTION 5: FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	N/E
<b>Extinguishing Media:</b>	CO <sub>2</sub> , dry chemical, foam, water fog.
<b>Hazardous Combustion Products:</b>	Co, CO <sub>2</sub> .
<b>Protection of Fire Fighters:</b>	Self-contained breathing apparatus and full protective clothing should be worn by fire fighters.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Use personal protective equipment as recommended in Section 8.
<b>Environmental Precautions:</b>	Do not empty into drains or discharge into the soil/subsoil.
<b>Methods for Containment:</b>	Cover spill with an inert absorbent material such as sand, earth. Place in a chemical waste container.
<b>Methods for Clean-Up:</b>	Decontaminate area with detergent and flush with large volumes of water.

### SECTION 7: HANDLING AND STORAGE

<b>General Warning to Prevent Exposure:</b>	Do not breathe fumes or vapours. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
<b>General Storage Information:</b>	Store in tightly-sealed containers in a cool, dry area. Keep away from moisture.

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient	Exposure Limit	Unit
Aromatic Petroleum Distillates	1 (TWAEV)	ppm
<b>Engineering Controls:</b>	Use local exhaust ventilation to keep vapour concentrations below TLV.	
<b>Personal Protective Equipment:</b>	<u>Eyes:</u> Safety glasses or goggles; face shield if risk of splashing is present. <u>Skin:</u> Rubber gloves; chemical apron if risk of splashing is present. <u>Inhalation:</u> Approved respirators should be used in high vapour concentrations. <u>Other:</u> Safety shower, eye bath.	

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<b>Appearance:</b>	Grey liquid
<b>Odour:</b>	N/E
<b>Melting Point:</b>	N/E
<b>Boiling Point:</b>	N/E
<b>Flash Point (Method):</b>	> 93.3 C
<b>Evaporation Rate:</b>	N/E
<b>Upper/Lower Flammable Limits:</b>	N/E
<b>Vapour Pressure @ 25 C:</b>	N/E
<b>Vapour Density:</b>	N/E
<b>Specific Gravity @ 25 C:</b>	1.04 g/ml
<b>Solubility:</b>	N/E
<b>VOC content:</b>	N/E

**SECTION 10: STABILITY AND REACTIVITY**

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Moisture, excessive heat.
<b>Incompatible Materials:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub>
<b>Possibility of Hazardous Reactions:</b>	Will not occur.

**SECTION 11: TOXICOLOGICAL INFORMATION**

<b>Acute Dose Toxicity:</b>	Aromatic Petroleum Distillates	N/E
	Titanium Dioxide	Dermal LD50: > 10000 mg/kg (rabbit) Oral LD50 > 24000 mg/kg (rat) Inhalation LC50 > 6820 mg/m <sup>3</sup> /4hr
<b>Repeated Dose Toxicity:</b>	N/E	
<b>Sensitization:</b>	N/E	
<b>Carcinogenicity:</b>	Contains a component which is classified as an IARC 2B Carcinogen (Titanium Dioxide).	
<b>Neurological Effects:</b>	N/E	
<b>Genetic Effects:</b>	N/E	
<b>Reproductive Effects:</b>	N/E	
<b>Developmental Effects:</b>	N/E	
<b>Target Organ Effects:</b>	N/E	



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**SECTION 12: ECOLOGICAL INFORMATION**

**Biodegradability:** Not readily biodegradable.

**SECTION 13: DISPOSAL CONSIDERATIONS**

Recover or recycle if possible.  
Dispose of this material in accordance with local, provincial and federal laws and regulations.  
All provided information only applies to the material as supplied to the user. The characteristics outlined may not apply if the material has been used or otherwise contaminated. It is the responsibility of the user to determine the proper waste identification and disposal methods in compliance with applicable regulations.

**SECTION 14: TRANSPORT INFORMATION**

NOT REGULATED FOR TRANSPORT

**SECTION 15: REGULATORY INFORMATION**

**Canadian Regulations:** As per WHMIS, this material is classified:  
D2A, D2B  
All of the components of this material appear on the "Domestic Substances List" (DSL).  
This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all of the information required in the *Controlled Products Regulations*.

**US Regulations:** All of the components of this material appear on the "Toxic Substances Control Act" (TSCA) inventory.

**SECTION 16: OTHER INFORMATION**

**Abbreviations:** N/E Not established  
TLV Threshold Limit Value  
TWA Time-Weighted Average

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