

chemque

MATERIAL SAFETY DATA SHEET

PRODUCT: Q-Seal 295M Polyol

Prepared: 8 May 2009
Supersedes: 16 August 2006

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: Q-Seal 295M polyol
Chemical Family: Urethane polyol
Product Use: Loop detector sealant
Responsible Party: Chemque, Inc.
266 Humberline Drive
Rexdale, ON M9W 5X1
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: Black liquid.
Mild odour.

Potential Health Effects: Eyes – Irritant. Prolonged contact can lead to reddening; repeated skin exposure may result in absorption.
Skin – Irritant.
Inhalation – Irritant.
Ingestion – May cause gastrointestinal irritation.
Chronic Effects – Danger of cumulative effects with consistent unprotected exposure to this material (mercuric compounds).

SECTION 3: HAZARDOUS INGREDIENT INFORMATION

Ingredient	% (W/W)	CAS Number
Ethylene glycol	0.5-1.5	107-21-1
Phenylmercuric neodecanoate	0.5-1.5	26545-49-3

SECTION 4: FIRST AID MEASURES

Eyes: Flush eyes with water for 15 minutes. Seek medical attention.

Skin: Remove affected clothing. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs.

Inhalation: Move to fresh air. If breathing difficulties occur, seek medical attention.

Ingestion: Give 1-2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

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SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when heated to high temperatures.

Extinguishing Media: CO₂, chemical foam, dry chemical.
Do NOT use direct water jet, as frothing may occur.

Protection of Fire Fighters: Self contained breathing apparatus and full protective clothing should be worn by fire fighters.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment as recommended in Section 8.

Environmental Precautions: Do not empty into drains or discharge into the soil/subsoil.

Methods for Containment: Cover spill with inert absorbent material. Remove for disposal.

Methods for Clean-Up: Scrub area with mild detergent solution. Retain wastewater for treatment.

SECTION 7: HANDLING AND STORAGE

General Warning to Prevent Exposure: Do not breathe fumes or vapours.
Avoid contact with eyes, skin, and clothing.
Wash thoroughly after handling.

General Storage Information: Store in tightly-sealed containers in a cool, dry area, away from moisture. Keep away from moisture and incompatible materials.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient	Exposure Limit	Unit
Ethylene glycol	50(TWA-CEIL)	ppm
Phenylmercuric neodecanoate	N/E	---

Engineering Controls: Use local exhaust ventilation to keep vapour concentrations below TLV.

Personal Protective Equipment:
Eyes: Safety glasses or goggles; face shield if risk of splashing is present.
Skin: Chemical resistant gloves.
Inhalation: For confined spaces, use a NIOSH-approved organic respirator if TLV is exceeded. For outdoor applications, no respirator is required.
Other: Safety shower, eye bath.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid.
Odour: Mild odour.
Melting Point: N/E
Boiling Point: N/E
Flash Point: 116°C (240 F) TCC (Data for Ethylene glycol)
Evaporation Rate: N/E
Upper/Lower Flammable Limits: N/E
Vapour Pressure @ 20 C: N/E
Vapour Density: N/E
Specific Gravity: 1.052 g/ml
Solubility: Insoluble
VOC content: N/E

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable
Conditions to Avoid: Excessive heat, moisture.
Incompatible Materials: Strong oxidizers, strong acids, strong bases.
Hazardous Decomposition Products: Carbon dioxide and carbon monoxide on combustion.
Possibility of Hazardous Reactions: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Dose Toxicity:	Ethylene glycol	Dermal, LD ₅₀ : 9530 mg/kg (rabbit) Oral, LD ₅₀ : 4700 mg/kg (rat)
Repeated Dose Toxicity:	Phenylmercuric neodecanoate	Oral, LD ₅₀ : 25 – 200 mg/kg (rat)
Sensitization:	N/E	
Carcinogenicity:	N/E	
Neurological Effects:	Not a known carcinogen.	
Genetic Effects:	N/E	
Reproductive Effects:	N/E	
Developmental Effects:	Teratogenic effects in animal (ethylene glycol).	
Target Organ Effects:	Danger of cumulative effects (mercuric compounds).	

SECTION 12: ECOLOGICAL INFORMATION

Not established.

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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:

D1B ("Poisonous Material Causing Serious and Toxic Effects") – Very Toxic

D2A ("Poisonous Material Causing Serious and Toxic Effects") – Very Toxic

D2B ("Poisonous Material Causing Serious and Toxic Effects") - Toxic

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:

This material is classified as hazardous under OSHA regulation 29 CFR 1910.1200.

SARA Title III: This product contains the following chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and 40 CFR 372:

Ethylene glycol, CAS# 107-21-1

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
CEIL	Ceiling Limit Value

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