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RTC Product #79562

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**800.637.6047 OR 205.733.0333**  
**RTC PRODUCT NO. 79562**



**MATERIAL SAFETY DATA SHEET**

**PRODUCT:** Q-Tel 2027 Isocyanate

Prepared: 11 April 2007  
Supersedes: 16 July 2004

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**Product:** Q-Tel 2027 Isocyanate  
**Chemical Family:** Aromatic isocyanate  
**Product Use:** Duct sealing foam  
**Responsible Party:** Chemque, Inc.  
6107 Guion Road  
Indianapolis, Indiana  
46254  
**Telephone Number:** (416) 679-5676  
**In Emergency Only:** CANUTEC Collect: (613) 996-6666 (24-hour hotline)  
Information: (613) 992-4624

**SECTION 2: HAZARDS IDENTIFICATION**

**Potential Health Effects:** Eyes – Irritant. May cause redness.  
Skin – Irritant. May cause skin sensitization.  
Inhalation – Irritant. May cause respiratory sensitization.  
Ingestion – May cause adverse health effects.

**SECTION 3: HAZARDOUS INGREDIENT INFORMATION**

Ingredient	% (W/W)	CAS Number
Polymeric diphenylmethane	N/A	9016-87-9

**SECTION 4: FIRST AID MEASURES**

**Eyes:** Flush eyes with water for 15 minutes. Call a physician if irritation persists.  
**Skin:** Wash with soap and water. If irritation develops, consult a physician.  
**Inhalation:** Remove patient from exposure, keep warm and at rest. Assist in breathing if necessary. Obtain immediate medical attention.  
**Ingestion:** Drink 1-2 cups of milk or water. Do not induce vomiting. Never administer anything by mouth to an unconscious person. Seek medical attention.

# Safety Data Sheet (SDS)

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### SECTION 5: FIRE FIGHTING MEASURES

<b>Flammable Properties:</b>	No unusual fire or explosion hazards.
<b>Extinguishing Media:</b>	CO <sub>2</sub> , dry chemical, foam, water fog
<b>Hazardous Combustion Products:</b>	CO <sub>2</sub>
<b>Protection of Fire Fighters:</b>	Fire fighters should wear self-contained breathing apparatus and full protective clothing.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Use personal protective equipment as recommended in Section 8.
<b>Environmental Precautions:</b>	Obey relevant federal, state, provincial, and municipal laws.
<b>Methods for Containment:</b>	Cover with an absorbent material. Remove for disposal.
<b>Methods for Clean-Up:</b>	Clean spill area with a solution of 90% water, 8% ammonia and 2% detergent.

### 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
Polymeric diphenylmethane diisocyanate	ACGIH/TLV	0.05 mg/m <sup>3</sup>
<b>Engineering Controls:</b>	Use local exhaust ventilation to keep vapour concentrations low.	
<b>Personal Protective Equipment:</b>	<u>Eyes:</u> Safety glasses or goggles. <u>Skin:</u> Rubber gloves or plastic gloves.	

# Safety Data Sheet (SDS)

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## MATERIAL SAFETY DATA SHEET

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Thixotropic, brown paste
<b>Odour:</b>	N/E
<b>Melting Point:</b>	N/E
<b>Boiling Point:</b>	> 300 °C decomposes
<b>Flash Point (Method):</b>	203 °C (397 °F) closed cup
<b>Evaporation Rate:</b>	N/E
<b>Upper/Lower Flammable Limits:</b>	N/E
<b>Vapour Pressure @ 77°F:</b>	ca. 0.000004 mmHg
<b>Vapour Density:</b>	8.5
<b>Specific Gravity @ 77°F:</b>	N/E
<b>Solubility:</b>	Insoluble

### SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Stable.
<b>Conditions to Avoid:</b>	Moisture contamination.
<b>Incompatible Materials:</b>	Water, strong bases, alcohols, excessive heat.
<b>Hazardous Decomposition Products:</b>	N/E
<b>Possibility of Hazardous Reactions:</b>	Will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Acute Dose Toxicity</b>	Polymeric diphenylmethane diisocyanate	Oral, LD <sub>50</sub> : > 5000 mg/kg (rat) Dermal LD <sub>50</sub> > 5000 mg/kg (rabbit) Inhalation, LC <sub>50</sub> 490 mg/m <sup>3</sup> 4h (rat)
<b>Repeated Dose Toxicity:</b>	N/E	
<b>Sensitization:</b>	May cause sensitization by skin contact or by inhalation. May be an irritant to eyes, skin and/or lungs.	
<b>Carcinogenicity:</b>	Ingredients not classified as carcinogenic by IARC	
<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>	Lungs – chronic inhalation can cause respiratory distress and respiratory impairments.	

# Safety Data Sheet (SDS)

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## MATERIAL SAFETY DATA SHEET

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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.  
This material is not a hazardous waste under RCRA 40 CFR 261.  
Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.

### SECTION 14: TRANSPORT INFORMATION

<b>TDG</b>	Not regulated
<b>IMO/MDG</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated

### SECTION 15: REGULATORY INFORMATION

**Canadian Regulations:** As per WHMIS, this material is classified :  
D2A: Material Causing Other Toxic Effects – Very Toxic  
D2B: Material Causing Other 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 chemical 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:  
Polymeric diphenylmethane diisocyanate CAS # 9016-87-9  
All of the components of this material appear on the "Toxic Substances Control Act" (TSCA) inventory.

### SECTION 16: OTHER INFORMATION

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

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