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RTC Product #79562

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P.001

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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)

APR-20-2007 13:09

RAINBOW TECHNOLOGY

P.002

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SECTION 5: FIRE FIGHTING MEASURES	
Flammable Properties:	No unusual fire or explosion hazards.
Extinguishing Media:	CO ₂ , dry chemical, foam, water fog
Hazardous Combustion Products:	CO ₂
Protection of Fire Fighters:	Fire fighters should wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Use personal protective equipment as recommended in Section 8.
Environmental Precautions:	Obey relevant federal, state, provincial, and municipal laws.
Methods for Containment:	Cover with an absorbent material. Remove for disposal.
Methods for Clean-Up:	Clean spill area with a solution of 90% water, 8% ammonia and 2% detergent.

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. Keep away from moisture.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION		
Ingredient	Exposure Limit	Unit
Polymeric diphenylmethane diisocyanate	ACGIH/TLV	0.05 mg/m ³
Engineering Controls:	Use local exhaust ventilation to keep vapour concentrations low.	
Personal Protective Equipment:	<u>Eyes:</u> Safety glasses or goggles. <u>Skin:</u> Rubber gloves or plastic gloves.	

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APR-20-2007 13:09

RAINBOW TECHNOLOGY

P.003



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

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APR-20-2007 13:09

RAINBOW TECHNOLOGY

P.004



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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

TDG Not regulated

IMO/MDG Not regulated

ICAO/IATA 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

Abbreviations:

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

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