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Product #: 79513



MATERIAL SAFETY DATA SHEET

PRODUCT: Q-Tel 2081 - RTV Silicone Adhesive & Sealant

Prepared: 21 July 2011
Supersedes: N/A

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product: Q-Tel 2081 RTV Silicone Adhesive & Sealant
Chemical Family: Silicone Elastomer
Product Use: Sealant
Manufacturer: 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

This product has been classified and labelled in accordance with EU directives 67/548/EEC and 1999/45/EC and their adaptations and annexes.

Emergency Overview: Thick paste; clear to hazy blue in appearance.
Sweet odour.
Combustible.
Eye and skin irritant.
Cured product is non-hazardous.

Potential Health Effects: Eyes – Direct eye contact may cause irritation.
Skin – Repeated and prolonged contact may cause irritation.
Inhalation – Potential respiratory tract irritant. Vapour in great quantities may cause dizziness and/or suffocation.
Ingestion –Methyltrimethoxysilane produces methanol in the stomach.
Harmful if swallowed..
Chronic Effects – None known.

SECTION 3: HAZARDOUS INGREDIENT INFORMATION

Ingredient	% (W/W)	CAS Number	EINEC #	Risk Phrases
Methyltrimethoxysilane	3-7	1185-55-3	214-685-0	R11

See section 15 for further information on EU classification.

SECTION 4: FIRST AID MEASURES

Eyes: Flush open eyes with water for 15 minutes. Seek medical attention if irritation occurs.
Skin: Remove affected clothing. Wash skin with soap and water immediately. Wash contaminated clothing before re-use. Seek medical attention if irritation occurs.
Inhalation: If breathing difficulties occur, remove to fresh air. Seek medical attention.
Ingestion: Drink water to dilute. DO NOT induce vomiting. Seek immediate medical attention.



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SECTION 5: FIRE FIGHTING MEASURES

Flammable Properties: Vapours may be ignited by static sparks, flames or other ignition sources.
Extinguishing Media: CO₂, chemical foam, dry chemical, water spray.
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 absorbent material. Do not use a combustible material such as sawdust. Place in an open-top container and remove to a ventilated area. Allow to sit in an open container for 24 hours.
Methods for Clean-Up: Use absorbent material to clean any oil-like residues..

SECTION 7: HANDLING AND STORAGE

General Warning to Prevent Exposure: Use in well ventilated areas.
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.
Avoid heat, sparks, open flames.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ingredient	Exposure Limit	Unit
Methyltrimethoxysilane	0.05 (TWA)	ppm

Engineering Controls: Local exhaust ventilation is recommended if vapours, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

Personal Protective Equipment:
Eyes: Safety glasses with side shields or goggles.
Skin: Rubber or polyvinyl gloves.
Inhalation: NIOSH-approved organic respirator if TLV is exceeded..
Other: Safety shower, eye bath.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Thick paste; clear to hazy blue in appearance
Odour:	Sweet
Melting Point:	N/E
Boiling Point:	N/E
Flash Point and Method:	82C (179.6 F) ASTM D-3828 Setaflash CC
Evaporation Rate	N/E
Upper/Lower Flammable Limits:	N/E
Vapour Pressure:	N/E
Vapour Density:	N/E
Specific Gravity @ 25 C:	1.0 g/ml
Solubility:	Negligible

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Conditions to Avoid:	Reacts with water, acids, liberating methanol (methyl alcohol)
Incompatible Materials:	Strong oxidizers
Hazardous Decomposition Products:	Silicon dioxide, carbon monoxide, carbon dioxide; traces of incompletely burned carbon compounds on combustion.
Possibility of Hazardous Reactions:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Dose Toxicity:	Methyltrimethoxysilane	Oral LD50	> 10,000 mg/kg (rat)
		Dermal LD50	> 9,000 mg/kg (rabbit)
Repeated Dose Toxicity:	N/E		
Sensitization:	Not a known sensitizer		
Carcinogenicity:	Not a known carcinogen		
Neurological Effects:	N/E		
Genetic Effects:	N/E		
Reproductive Effects:	N/E		
Developmental Effects:	N/E		
Target Organ Effects:	N/E		



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SECTION 12: ECOLOGICAL INFORMATION

Biodegradability

N/E

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

EU Regulations:

Name of material: Q-Tel 2081 – RTV Silicone Adhesive & Sealant

Country of Origin: Canada

Hazards: **Xi** –Irritating

R22: Harmful if swallowed

R36/38: Irritating to eyes and skin

This product has been classified and labelled in accordance with EU directives 67/548/EEC and 1999/45/EC and their adaptations and annexes.

US Regulations:

All of the components of this material appear on the “Toxic Substances Control Act” (TSCA) inventory.

This product does not contain any 313 listed chemicals.

Canadian Regulations:

As per WHMIS, this material is classified:

B3, 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*.



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SECTION 16: OTHER INFORMATION

Abbreviations: N/E Not established

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