



## MATERIAL SAFETY DATA SHEET

Quad VOC Formula Sealant Colors

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** QUAD VOC FORMULA SEALANT COLORS

**Manufacturer:** HENKEL CORPORATION  
6685 KENNEDY RD., UNIT 1  
MISSISSAUGA, ONTARIO  
CANADA ; L5T 3A5

**Information Phone Number:** (440) 937-7000

**Emergency Phone Number:** 1-613-996-6666 (CANUTEC)

**MSDS Date of Preparation:** 01/04/2010

**Product Use:** Consumer product – sealant/caulk. Not recommended for interior use in occupied structures.

### SECTION 2: HAZARDS IDENTIFICATION

High viscosity caulk, various colors, solvent odor.

**EMERGENCY OVERVIEW:** Flammable liquid and vapor. May cause eye and skin irritation. Inhalation of vapors may cause nose and throat irritation, headache, dizziness, drowsiness and fatigue. High concentrations may cause central nervous system effects such as dizziness. May be harmful or fatal if swallowed.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Chloro, fluoro Solvent	TSRN7010S01	15-25
Light Petroleum Distillates	TSRN0029S01	10-15
Titanium Dioxide (certain colors only)	13463-67-7	5-10
Toluene	108-88-3	<5
Non-Hazardous Ingredients	Mixture	Balance

### SECTION 4: FIRST AID MEASURES

**Eye:** Rinse thoroughly with water for at least 15 minutes, holding the eye lids open to be sure the material is washed out. Get prompt medical attention.

**Skin:** Wash skin thoroughly with soap and water. Get medical attention if irritation or symptoms of exposure develop.

**Inhalation:** If irritation or other symptoms develop, move to fresh air. Get medical attention if irritation persists.

**Ingestion:** Ingestion is an unlikely route of exposure. If ingestion occurs rinse mouth with a small amount of water. DO NOT INDUCE VOMITING. Immediately call local poison control center or go to an emergency department. Never give anything by mouth to an unconscious or drowsy person.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical.

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus with full facepiece operated in pressure demand mode with full protective equipment.

**Unusual Fire Hazards:** Solvent vapors are heavier than air and travel along the ground and other surfaces to remote ignition sources and flash back. Vapors are flammable and may be ignited in air explosively. Any closed container may burst when exposure to extreme heat or fire.



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Quad VOC Formula Sealant Colors

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen and hydrocarbons.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Spill:** Wear appropriate personal protective equipment. Eliminate all sources of ignition. Ventilate area (open windows and doors). Add dry, non-combustible absorbent and shovel or sweep up. Place in a suitable container for disposal. Report spills and releases as required to appropriate authorities.

### SECTION 7: HANDLING AND STORAGE

**Handling:** Avoid contact with eyes. Avoid prolonged contact with skin. Keep away from heat, sparks and flames, Use only with adequate ventilation. Keep container closed when not in use. Keep out of the reach of children.

Do not cut or burn receptacles that have contained a solvent based product – may ignite explosively and cause injury or death. Do not reuse container.

**Storage:** Store in a cool, well-ventilated area. Keep away from all sources of ignition.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Chloro, fluoro Solvent	25 PPM-ACGIH-TLV-C
Light Petroleum Distillates	100 PPM-OSHA PEL
Titanium Dioxide	10 mg/m3 TWA ACGIH TLV
Toluene	150 PPM-ACGIH/STEL, 150 PPM-OSHA PEL

**Ventilation:** Local exhaust is recommended during application and curing of this product. Provide sufficient ventilation to maintain exposure levels below the exposure limits.

**Respiratory Protection:** For operations where the occupational exposure limit may be exceeded, an approved respirator is recommended. Equipment selection depends on contaminant type and concentration, select in accordance with applicable regulations and good industrial hygiene practice.

**Skin Protection:** Impervious gloves are recommended to avoid skin contact.

**Eye Protection:** Wear safety glasses or goggles to avoid eye contact.

**Other Protective Equipment:** Protective clothing if needed to avoid skin contact.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:** High viscosity caulk, various colors, solvent odor.

<b>pH:</b> Not applicable	<b>Specific Gravity:</b> 1.2787
<b>Boiling Point:</b> 100-220°C (solvents)	<b>Freeze Point:</b> Not applicable
<b>Vapor Pressure:</b> 8 mmHg @ 20°C	<b>Water Solubility:</b> Insoluble
<b>Vapor Density:</b> heavier than air	<b>Evaporation Rate:</b> 0.9 (buac=1)
<b>Flash Point:</b> 44.44°C (Tag Closed Cup)	<b>Flammable Limits:</b> LEL: 1% UEL: 7%
<b>% Volatile by Weight:</b> Approx 28%	<b>VOC:</b> 50 g/L (4%)

### SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.



## MATERIAL SAFETY DATA SHEET

Quad VOC Formula Sealant Colors

**Incompatibility/Conditions to Avoid:** Keep away from heat, sparks, flames and all other sources of ignition. Keep away from strong oxidizing agents.

**Hazardous Decomposition Products:** Combustion will produce carbon dioxide, carbon monoxide, oxides of nitrogen and hydrocarbons.

**Hazardous Polymerization:** Will not occur under normal conditions.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Potential Health Effects:

**Eye:** May cause irritation, redness, tearing and blurred vision.

**Skin:** May cause irritation, drying or dermatitis on prolonged or repeated contact.

**Inhalation:** Breathing vapors may cause irritation of the nose, throat and upper respiratory tract and dizziness, drowsiness and fatigue. High vapors concentrations may narcosis, unconsciousness and even death. INTENTIONAL misuse of this product by deliberately inhaling its vapors may be harmful or fatal.

**Ingestion:** Ingestion is an unlikely route of exposure. May cause gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhea. Aspiration into the lungs may cause serious lung damage.

**Chronic Hazards:** Reports have associated repeated and prolonged occupational overexposure to solvents with cardiac effects and permanent brain, nervous system, liver and kidney damage. Prolonged overexposure to xylene may cause blood, liver and kidney damage

**Carcinogen Status:** Ethyl benzene is classified by IARC as possibly carcinogenic to humans (group 2B). The ACGIH classifies ethyl benzene as a confirmed animal carcinogen with unknown relevance to humans (A3). Titanium dioxide is classified by IARC as possibly carcinogenic to humans (group 2B). The ACGIH classifies titanium dioxide as not classifiable as a human carcinogen (A4). The titanium dioxide in this product is incorporated into the caulk and no exposure occurs during normal use. None of the other components of this product are listed as carcinogens by IARC, NTP or ACGIH.

**Medical Conditions Aggravated by Exposure:** Persons with pre-existing skin, respiratory and cardiovascular disorders.

#### Acute Toxicity Values:

Not available.

### SECTION 12: ECOLOGICAL INFORMATION

No data is currently available

### SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

### SECTION 14: TRANSPORT INFORMATION

#### US DOT (Ground transport)

Units less than 5L (1.3 gallons liquid) Proper Shipping Name: Consumer Commodity Classification: ORM-D DOT Label Required: ORM-D <u>Shipping Document: Consumer Commodity</u>	Units greater than 5L (1.3 gallons liquid) Proper Shipping Name: Adhesive Classification: Class 3 DOT Label Required: Flammable Liquid (Class 3) Shipping Document: Adhesive, 3, UN1133, PG III
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## MATERIAL SAFETY DATA SHEET

Quad Advanced Formula Sealant Colors

### Canadian TDG (Ground Transport)

Units less than 5L (1.3 gallons liquid) Proper Shipping Name: Consumer Commodity Classification: Limited Quantity Marking Required: LTD QTY/Consumer Commodity Shipping Document: Limited Quantity/Consumer Commodity ERG Code: 171	Units greater than 5L (1.3 gallons liquid) Proper Shipping Name: Adhesive Classification: Class 3 Label Required: Flammable Liquid (Class 3) Shipping Document: Adhesive, 3, UN1133, PG III ERG Code: 128
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ERG Code: 171

ERG Code: 128

Units less than 5L (1.3 gallons liquid) Proper Shipping Name: Consumer Commodity Classification: Class 9 Label Required: ID8000 <u>Shipping Document: Consumer Commodity, 9, ID8000</u>	Units greater than 5L (1.3 gallons liquid) Proper Shipping Name: Adhesive Classification: Class 3 Label Required: Flammable Liquid (Class 3) Shipping Document: UN1133, Adhesive, 3, PG III
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Units less than 5L (1.3 gallons liquid) Proper Shipping Name: Adhesive Classification: Class 3 Label Required: Limited Quantities on transport container (not on cartons) Shipping Document: UN1133, Adhesive, 3, PG III, Limited Quantities	Units greater than 5L (1.3 gallons liquid) Proper Shipping Name: Adhesive Classification: Class 3 Label Required: Flammable Liquid (Class 3) Shipping Document: UN1133, Adhesive, 3, PG III (FP = 26.7C)
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### IATA Air Transport

### IMDG Ocean Transport

## SECTION 15: REGULATORY INFORMATION

This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains

all of the information required by the CPR.

**Canadian Environmental Protection Act:** All of the ingredients are listed on the Canadian Domestic Substances List.

**Canadian WHMIS Classification:** Class B-2 (Flammable Liquid), Class D - Division 2 - Subdivision A - (A very toxic material causing other toxic effects)

**Canadian WHMIS Hazard Symbols:**



## SECTION 16: OTHER INFORMATION

**HMIS RATING:** Health = 1 Fire = 3 Reactivity = 0

The information, recommendations and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by Henkel Corporation as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does Henkel Corporation assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.