

# SAFETY DATA SHEET

**Date Issued :** 1/10/2014  
**MSDS No :** MR 5007  
**Date Revised :** 11/12/2014  
**Revision No :** 5

## MIRACLE Ultraseal Green MR 5007 Duct Sealant

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MIRACLE Ultraseal Green MR 5007 Duct Sealant

**MANUFACTURER**

ITW Polymers Sealants North America  
 56 Air Station Industrial Park  
 Rockland, MA 02370

**Product Stewardship:** (781) 878-7015

**24 HR. EMERGENCY TELEPHONE NUMBERS**

CHEMTREC (US Transportation): (800) 424-9300

**COMMENTS:** MIRACLE is a registered trademark of Illinois Tool Works, Inc.

### 2. HAZARDS IDENTIFICATION

**GHS CLASSIFICATIONS**

**Health:**

Target Organ Toxicity (Repeated exposure), Category 2

**GHS LABEL**



Health  
hazard

**SIGNAL WORD:** WARNING

**HAZARD STATEMENTS**

H373: May cause damage to organs through prolonged or repeated exposure.

**PRECAUTIONARY STATEMENT(S)**

**Prevention:**

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

**Response:**

P314: Get medical advice/attention if you feel unwell.

**Disposal:**

P501: Dispose of contents/container according to local, regional, national, and international regulations.

**EMERGENCY OVERVIEW**

**IMMEDIATE CONCERNS:** WARNING! Contains crystalline silica (quartz). Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs. Silicosis may be progressive; it may lead to disability and death. Crystalline silica (quartz) inhaled from occupational sources is classified as carcinogenic to humans.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Mildly irritating to the eyes.

**SKIN:** Not likely to be absorbed in toxic amounts. Prolonged exposure may cause skin irritation. Avoid skin contact as much as possible.

**SKIN ABSORPTION:** None Expected.

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**INGESTION:** This material may be harmful or fatal if swallowed in large quantities. Small amounts are not expected to produce adverse health effects.

**INHALATION:** Slight irritation to nose and throat with prolonged or repeated exposure.

**CARCINOGENICITY:** IARC has concluded that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I)."

**ROUTES OF ENTRY:** Eye and skin contact. Inhalation and ingestion are unlikely routes of entry.

**IRRITANCY:** Slight eye and skin irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Silica, Crystalline	< 0.5	14808-60-7
Ammonia	< 0.5	7664-41-7

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Small amounts are not expected to produce adverse health effects. Larger amounts should be recovered by aspiration. Get medical attention.

**INHALATION:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Slight irritation.

**SKIN:** Slight skin irritation.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** None known, not likely route of entry.

**INHALATION:** Materials are low in volatility therefore not likely to pose a problem.

### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Class IIIB

**GENERAL HAZARD:** Combustible Liquid.

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical or foam.

**HAZARDOUS COMBUSTION PRODUCTS:** Carbon Monoxide, Carbon Dioxide

**EXPLOSION HAZARDS:** Decomposition products may cause a health hazard.

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. After water evaporates, remaining material will burn.

**SENSITIVE TO STATIC DISCHARGE:** Not Applicable

**SENSITIVITY TO IMPACT:** None known.

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**HAZARDOUS DECOMPOSITION PRODUCTS:** Fumes, smoke, carbon monoxide and carbon dioxide may form when heated to decomposition.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

**LARGE SPILL:** Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

**HANDLING:** Use with sufficient ventilation to keep employee exposure below recommended limits. Provide adequate ventilation for storage, handling and use, especially for enclosed or low spaces. Avoid contact of liquid with eyes and prolonged skin exposure. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

**STORAGE:** Keep container closed when not in use. Store in a dry, well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container.

**STORAGE TEMPERATURE:** 15.5°C (60°F) Minimum to 35°C (95°F) Maximum

**SHELF LIFE:** 1 year from manufacture date

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Silica, Crystalline	<b>TWA</b>	NL	0.1 mg/m <sup>3</sup>	NL	0.05 mg/m <sup>3</sup>
	<b>STEL</b>	NL [1]	NL [1]	NL [1]	NL [1]
Ammonia	<b>TWA</b>	50 ppm [2]	NL [2]	25 ppm	NL
	<b>STEL</b>	NL [1]	NL [1]	35 ppm	NL
<b>Footnotes:</b> 1. NL = Not Listed 2. OSHA limits per 29 CFR 1910.1000 Table Z-1 & Z-2					

**ENGINEERING CONTROLS:** Natural ventilation should be adequate under normal conditions.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields. A face shield may be necessary if spraying the product.

**SKIN:** Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

**RESPIRATORY:** No respiratory protection required under normal conditions.

**WORK HYGIENIC PRACTICES:** Use good hygiene practices when handling this material. Wash hands thoroughly after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Latex

**ODOR THRESHOLD:** Not Determined

**COLOR:** Gray

**pH:** Not Determined

**PERCENT VOLATILE:** 29.7

**Notes:** by weight

**FLASHPOINT AND METHOD:** Not Applicable

**FLAMMABLE LIMITS:** Not Applicable

**AUTOIGNITION TEMPERATURE:** Not Applicable

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Not Determined

**BOILING POINT:** > = 100°C (212°F)

**FREEZING POINT:** Not Determined

**MELTING POINT:** Not Determined

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**POUR POINT:** Not Determined  
**SOLUBILITY IN WATER:** Soluble  
**EVAPORATION RATE:** Not Determined  
**DENSITY:** 11.82 lbs/gal  
**PARTICLE SIZE:** Not Determined  
**SPECIFIC GRAVITY:** 1.417  
**VISCOSITY:** Not Determined  
**MOLECULAR WEIGHT:** Not Determined  
**(VOC):** gr/L EPA Method 24 VOC  
**Notes:** Photochemically Reactive Only VOC: 0 gr/L  
**COEFF. OIL/WATER:** Not Determined  
**OXIDIZING PROPERTIES:** Not Determined  
**COMMENTS:** 0 lb VHAP/lb Solid  
 0% by weight HAP

### 10. STABILITY AND REACTIVITY

**STABLE:** Yes  
**HAZARDOUS POLYMERIZATION:** No  
**STABILITY:** Stable.  
**POLYMERIZATION:** Product will not undergo polymerization.  
**CONDITIONS TO AVOID:** None known.  
**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide and carbon dioxide may form when heated to decomposition.  
**INCOMPATIBLE MATERIALS:** Strong acids or alkaline materials.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Silica, Crystalline	No data	No data	No data
Ammonia	350 mg/kg	No data	7338 ppm (1-hr dose)

#### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status
Silica, Crystalline	1	1

**IARC:** IARC has concluded that "crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group I)."

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**Notes:** This product contains silica quartz, a chemical known to the State of California to cause cancer.

**IRRITATION:** Slight eyes and skin irritation.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

**ECOTOXICOLOGICAL INFORMATION:** Contains components that are potentially toxic to freshwater and saltwater ecosystems.

**BIOACCUMULATION/ACCUMULATION:** Contains components with the potential to bio-accumulate.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all local, state and federal regulations.

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Not Regulated

**MARINE POLLUTANT #1:** None

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No

#### CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Ammonia	< 0.5	100 lbs.

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Silica, Crystalline	14808-60-7
Ammonia	7664-41-7

#### CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Ammonia	< 0.5	7664-41-7

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### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Silica, Crystalline	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Toxic Use Reduction Act (TURA) Reportable Chemical

### CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Silica, Crystalline	< 0.5	Cancer

### CANADA

#### WHMIS HAZARD SYMBOL AND CLASSIFICATION



### 16. OTHER INFORMATION

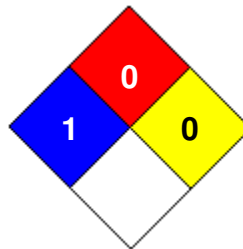
**INFORMATION CONTACT:** (781) 878-7015

**REVISION SUMMARY:** This MSDS replaces the 1/10/2014 MSDS. Revised: **Section 2:** .

#### HMIS RATING

<b>HEALTH</b>	1
<b>FLAMMABILITY</b>	0
<b>PHYSICAL HAZARD</b>	0
<b>PERSONAL PROTECTION</b>	B

#### NFPA CODES



**GENERAL STATEMENTS:** Keep out of reach of children  
For professional or industrial use only

**MANUFACTURER DISCLAIMER:** This document may be used to comply with OSHA's Hazardous Communication Standard, 29 CFR 1910.1200.

To the best of our knowledge, the information contained in this SDS is accurate. It is intended to assist the user in his/her evaluation of the product's hazards and safety precautions to be taken in its use. The data in this SDS relate only to the specific material designated herein. We do not assume liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

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