

# RM 800PC

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 11/06/2017

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Supersedes: 05/19/2015

Version: 2.0

### SECTION 1: Identification

#### 1.1. Identification

Product form	Mixture
Product name	RM 800PC
Product code	BU Fire Protection

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture	Construction chemicals
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#### 1.3. Details of the supplier of the safety data sheet

Hilti, Inc.  
Legacy Tower, Suite 1000  
7250 Dallas Parkway  
75024 Plano - USA  
T +1 9724035800  
1-800-879-8000 toll free - F +1 918 254 0522

**Supplier**  
Hilti, Inc.  
Legacy Tower, Suite 1000  
7250 Dallas Parkway  
75024 Plano - USA  
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**Department issuing data specification sheet**  
Hilti AG  
Feldkircherstraße 100  
9494 Schaan - Liechtenstein  
T +423 234 2111  
[chemicals.hse@hilti.com](mailto:chemicals.hse@hilti.com)

#### 1.4. Emergency telephone number

Emergency number	Chem-Trec Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada) Tel.: 703 527 3887 (Other countries) +1 918 8723000 1-800-879-8000 toll free
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin Irrit. 2	H315 - Causes skin irritation.
Eye Dam. 1	H318 - Causes serious eye damage.
Skin Sens. 1	H317 - May cause an allergic skin reaction.
Carc. 1A	H350 - May cause cancer.
STOT RE 1	H372 - Causes damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

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### 2.2. Label elements

#### GHS-US labelling

Hazard pictograms (GHS-US)



GHS05

GHS07

GHS08

Signal word (GHS-US)

**Danger**

Hazard statements (GHS-US)

H315 - Causes skin irritation.  
 H317 - May cause an allergic skin reaction.  
 H318 - Causes serious eye damage.  
 H350 - May cause cancer.  
 H372 - Causes damage to organs through prolonged or repeated exposure.  
 P261 - Avoid breathing dust.  
 P280 - Wear eye protection, protective clothing, protective gloves.  
 P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing  
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P308+P313 - If exposed or concerned: Get medical advice/attention.

Precautionary statements (GHS-US)

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Quartz	(CAS-No.) 14808-60-7	50 - 70	Carc. 1A, H350 STOT RE 1; H372
Portland cement	(CAS-No.) 65997-15-1	10 - 20	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335, H336

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact	Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	Drink plenty of water. Do not induce vomiting. Get immediate medical advice/attention.

### 4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	Causes skin irritation. May cause an allergic skin reaction.

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Symptoms/effects after eye contact	Serious damage to eyes.
Symptoms/effects after ingestion	May cause irritation to the digestive tract.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Dry powder. Foam. Carbon dioxide. Water spray.
Unsuitable extinguishing media	Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
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### 5.3. Advice for firefighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	Avoid contact with skin and eyes. Do not breathe dust.
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#### 6.1.2. For emergency responders

Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

For containment	Collect spillage.
Methods for cleaning up	Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.
Other information	Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	Dust may form flammable and explosive mixture with air.
Precautions for safe handling	Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Do not breathe dust. Wear personal protective equipment.
Hygiene measures	Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a dry place. Keep cool.
Storage temperature	5 - 25 °C
Special rules on packaging	Store in a closed container.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Quartz (14808-60-7)		
OSHA	Remark (OSHA)	(3) See Table Z-3.
Portland cement (65997-15-1)		
ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	1 mg/m <sup>3</sup>
ACGIH	Remark (ACGIH)	Pulm func; resp symptoms; asthma

### 8.2. Exposure controls

Appropriate engineering controls  
Personal protective equipment

Ensure good ventilation of the work station. Do not breathe dust.  
Gloves. Protective clothing. Protective goggles.



Hand protection  
Eye protection  
Skin and body protection  
Respiratory protection  
Environmental exposure controls  
Other information

Protective gloves.  
Safety glasses.  
Wear suitable protective clothing.  
Dust production: dust mask with filter type P2.  
Avoid release to the environment.  
Do not breathe dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder.
Colour	Colourless
Odour	odourless
Odour threshold	No data available
pH	10 - 12
Melting point	Not applicable
Freezing point	No data available
Boiling point	No data available
Flash point	Not applicable.
Relative evaporation rate (butylacetate=1)	No data available
Flammability (solid, gas)	No data available
Explosive limits	No data available
Explosive properties	No data available
Oxidising properties	No data available
Vapour pressure	Not applicable

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Relative density	No data available
Relative vapour density at 20 °C	No data available
Density	9.2 lb/gal
Solubility	No data available
Log Pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

### 9.2. Other information

VOC content	0 %
Percent Solids	100 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Causes skin irritation. pH: 10 - 12
Serious eye damage/irritation	Causes serious eye damage. pH: 10 - 12
Respiratory or skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	May cause cancer.

<b>Quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans

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Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific target organ toxicity (repeated exposure)	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not classified
Symptoms/effects after inhalation	May cause respiratory irritation.
Symptoms/effects after skin contact	Causes skin irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	Serious damage to eyes.
Symptoms/effects after ingestion	May cause irritation to the digestive tract.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general Toxic to aquatic life with long lasting effects.

Portland cement (65997-15-1)	
LC50 fish 1	> 1000 mg/l (96 h; Pisces)

### 12.2. Persistence and degradability

Portland cement (65997-15-1)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	<b>Not applicable</b>
Chemical oxygen demand (COD)	<b>Not applicable</b>
ThOD	<b>Not applicable</b>
BOD (% of ThOD)	Not applicable

### 12.3. Bioaccumulative potential

Portland cement (65997-15-1)	
Bioaccumulative potential	Bioaccumulation: not applicable.

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Effect on the global warming No known effects from this product.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not regulated for transport			
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
not restricted according ADR Special Provision SP375, IATA-DGR Special Provision A197 and IMDG-Code 2.10.2.7			

### 14.6. Special precautions for user

- Overland transport

- Transport by sea

No data available

- Air transport

No data available

- Rail transport

Carriage prohibited (RID)

No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

### 15.2. International regulations

#### CANADA

All components of this product are listed, or excluded from listing, on Canada DSL (Domestic Substance List)

#### EU-Regulations

No additional information available

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315  
 Eye Dam. 1 H318  
 Skin Sens. 1 H317  
 Carc. 1A H350  
 Repr. 1A H360

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STOT SE 3 H335

STOT RE 1 H372

Full text of hazard classes and H-statements : see section 16

### National regulations

<b>Quartz (14808-60-7)</b>
Listed on IARC (International Agency for Research on Cancer)

### 15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

<b>Quartz (14808-60-7) [50-70%]</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>Titanium dioxide (13463-67-7) [0.1-1%]</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	
<b>Lithium carbonate (554-13-2) [0.1-1%]</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
No	Yes	No	No	
<b>formaldehyde (50-00-0) [&lt;10ppm]</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	40 µg/day
<b>Chromium VI [&lt;10ppm]</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	0.001 µg/day (inhalation) 8.2 µg/day (oral)

## SECTION 16: Other information

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Full text of H-statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H350	May cause cancer.
H372	Causes damage to organs through prolonged or repeated exposure.

NFPA health hazard

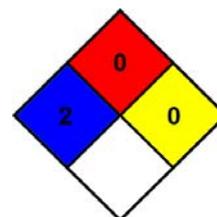
2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

0 - Materials that will not burn under typical dire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

0 - Material that in themselves are normally stable, even under fire conditions.



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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*