SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: Paco Mix 14
CAS-No.: Mixture
Product code: 0014
Other means of identification: Alumina-Silicate Block

1.2. Recommended use and restrictions on use
Use of the substance/mixture: Refractory
Use of the substance/mixture: Industrial

1.3. Supplier
Resco Products, Inc.
One Robinson Plaza, Suite 300
6600 Steubenville Pike
Pittsburgh, PA 15205 - United States
412-494-4491
SDS@RescoProducts.com - WWW.RescoProducts.com

1.4. Emergency telephone number
Emergency number: EMERGENCY ONLY (CHEMTREC) USA & Canada 1-800-424-9300
Outside USA & Canada +1 703-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Carcinogenicity Category 1A H350 May cause cancer (Inhalation, Dust when sawing or tear out)

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US):

Signal word (GHS US): Danger
Hazard statements (GHS US): H350 - May cause cancer (Inhalation, Dust when sawing or tear out)
May dry/chap skin.
Dust from sawing or tear out may irritate eye.

Precautionary statements (GHS US): P260 - Do not breathe dust.
P280 - Wear Safety shoes, protective gloves, eye protection.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

2.3. Other hazards which do not result in classification
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

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>cristobalite</td>
<td>(CAS-No.) 14464-46-1</td>
<td>20 - 50</td>
<td>Carc. 1A, H350</td>
</tr>
</tbody>
</table>

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

SECTION 4: First-aid measures

4.1. Description of first aid measures
First-aid measures general: Never give anything by mouth to an unconscious person.
First-aid measures after inhalation: Allow victim to breathe fresh air.
First-aid measures after skin contact: Gently wash with plenty of soap and water.
First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion: Rinse mouth. Do not induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)
Symptoms/effects after inhalation: May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.
Symptoms/effects after skin contact: Not irritating. Irritation.
Symptoms/effects after eye contact: Dust from sawing or tear out may irritate eye.
Symptoms/effects after ingestion: No data available.
4.3. **Immediate medical attention and special treatment, if necessary**
No additional information available

**SECTION 5: Fire-fighting measures**

5.1. **Suitable (and unsuitable) extinguishing media**
Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media : No unsuitable extinguishing media known.

5.2. **Specific hazards arising from the chemical**
Fire hazard : Non-flammable.

5.3. **Special protective equipment and precautions for fire-fighters**
Firefighting instructions : No specific fire-fighting instructions required.

**SECTION 6: Accidental release measures**

6.1. **Personal precautions, protective equipment and emergency procedures**
6.1.1. **For non-emergency personnel**
No additional information available

6.1.2. **For emergency responders**
Protective equipment : Use personal protective equipment as required.

6.2. **Environmental precautions**
No additional information available

6.3. **Methods and material for containment and cleaning up**
Methods for cleaning up : Collect spillage.

6.4. **Reference to other sections**
No additional information available

**SECTION 7: Handling and storage**

7.1. **Precautions for safe handling**
Precautions for safe handling : Wear Safety shoes, Gloves.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. **Conditions for safe storage, including any incompatibilities**
Storage conditions : Store this product in a dry location where it can be protected from the elements.

**SECTION 8: Exposure controls/personal protection**

8.1. **Control parameters**

<table>
<thead>
<tr>
<th>cristobalite (14464-46-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>ACGIH TWA (mg/m³)</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
</tbody>
</table>

8.2. **Appropriate engineering controls**
No additional information available

8.3. **Individual protection measures/Personal protective equipment**
No additional information available

**SECTION 9: Physical and chemical properties**

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

<table>
<thead>
<tr>
<th>Physical property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Tan Colored Brick Shape.</td>
</tr>
<tr>
<td>Color</td>
<td>light brown</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 2500 °F</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not flammable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>≈ 2.1</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
</tbody>
</table>
**Viscosity, dynamic**: No data available

**Explosion limits**: No data available

**Explosive properties**: No data available

**Oxidizing properties**: No data available

### 9.2 Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

None known.

#### 10.2 Chemical stability

Stable under normal conditions.

#### 10.3 Possibility of hazardous reactions

No additional information available

#### 10.4 Conditions to avoid

No additional information available

#### 10.5 Incompatible materials

No additional information available

#### 10.6 Hazardous decomposition products

No additional information available

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

- **Acute toxicity (oral)**: Not classified
- **Acute toxicity (dermal)**: Not classified
- **Acute toxicity (inhalation)**: Not classified
- **Skin corrosion/irritation**: Not classified
- **Skin corrosion/irritation**: Not classified
- **Germ cell mutagenicity**: Not classified
- **Carcinogenicity**: May cause cancer (Inhalation, Dust when sawing or tear out).

**cristobalite (14464-46-1)**

- **IARC group**: 1 - Carcinogenic to humans
- **Reproductive toxicity**: Not classified
- **Specific target organ toxicity – single exposure**: Not classified
- **Specific target organ toxicity – repeated exposure**: Not classified
- **Aspiration hazard**: Not classified
- **Viscosity, kinematic**: No data available
- **Symptoms/effects after inhalation**: May cause cancer by inhalation. Danger of serious damage to health by prolonged exposure through inhalation.
- **Symptoms/effects after skin contact**: Not irritating. Irritation.
- **Symptoms/effects after eye contact**: Dust from sawing or tear out may irritate eye.
- **Symptoms/effects after ingestion**: No data available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

No additional information available

#### 12.2 Persistence and degradability

**cristobalite (14464-46-1)**

- **Persistence and degradability**: Biodegradability: not applicable.
- **Biochemical oxygen demand (BOD)**: Not applicable
- **Chemical oxygen demand (COD)**: Not applicable
- **ThOD**: Not applicable

#### 12.3 Bioaccumulative potential

**cristobalite (14464-46-1)**

- **Bioaccumulative potential**: No test data available.

#### 12.4 Mobility in soil

No additional information available

### SECTION 13: Disposal considerations

#### 13.1 Disposal methods

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations.

### SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT
Paco Mix 14
Safety Data Sheet

Not regulated
Transportation of Dangerous Goods
Not regulated
Transport by sea
Not regulated
Air transport
Not regulated

**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**

<table>
<thead>
<tr>
<th>cristobalite (14464-46-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Listed on the Canadian DSL (Domestic Substances List)</td>
</tr>
</tbody>
</table>

**EU-Regulations**
No additional information available

**National regulations**
No additional information available

**15.3. US State regulations**

**Paco Mix 14 (Mixture)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>This product contains crystalline silica, a chemical known to the state of California to cause cancer. For more information go to <a href="http://WWW.P65Warnings.ca.gov">WWW.P65Warnings.ca.gov</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>cristobalite (14464-46-1)</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. - California - Proposition 65 - Carcinogens List</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Developmental Toxicity</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
</tr>
<tr>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</td>
</tr>
<tr>
<td>No significant risk level (NSRL)</td>
</tr>
<tr>
<td>Maximum allowable dose level (MADL)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>State or local regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>cristobalite(14464-46-1)</td>
<td>U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List</td>
</tr>
</tbody>
</table>

**SECTION 16: Other information**

Revision date: 02/27/2019
Other information: Report language name. English. In the event of any conflict between English and other language versions, the English version shall prevail.

Full text of H-phrases:

| H350 | May cause cancer |

SDS US (GHS HazCom 2012)
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