**SECTION 1: Identification**

1.1. Identification

- **Product form**: Mixtures
- **Trade name**: Pyrotrol 2253, 2254, 3503
- **CAS-No.**: Mixture
- **Product code**: 0268, 0269, 0723
- **Other means of identification**: Alunina-Silicate Mineral

1.2. Recommended use and restrictions on use

- **Use of the substance/mixture**: Mineral Raw Material

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**: Not classified

2.2. GHS Label elements, including precautionary statements

- **GHS-US labeling**: Hazard pictograms (GHS-US)

  - Signal word (GHS-US): Danger
  - Hazard statements (GHS-US): H315 - Causes skin irritation
  - Precautionary statements (GHS-US): P280 - Wear eye protection, Dust respirator, protective gloves

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

- **Name**: quartz
  - **Product identifier**: (CAS-No.) 14808-60-7
  - **%**: 50 - 75
  - **GHS-US classification**: Carc. 1A, H350

**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. If you feel unwell, seek medical advice (show the label where possible).

- **First-aid measures after inhalation**: Allow victim to breathe fresh air. Allow the victim to rest.

- **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. Obtain emergency medical attention.

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**: Causes skin irritation.

- **Symptoms/effects after eye contact**: Causes eye irritation.
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: Not flammable.

Reactivity: None known.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions: No specific fire-fighting instructions required.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Do not breathe dust.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: On land, sweep or shovel into suitable containers. Minimize generation of dust.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Avoid raising dust.

Hygiene measures: Avoid contact with skin and eyes. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH TWA (mg/m³)</th>
<th>ACGIH TWA (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>quartz (14808-60-7)</td>
<td>0.025 mg/m³ (Silica-Crystalline Quartz; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value; Respirable fraction)</td>
<td>0.05 mg/m³ Respirable fraction</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure.

Hand protection:
Wear protective gloves

Eye protection:
Chemical goggles or safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Wear appropriate mask

Other information:
Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Granular powder</td>
</tr>
<tr>
<td>Color</td>
<td>light brown</td>
</tr>
<tr>
<td>Odor</td>
<td>Earthy Odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not applicable</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>&gt; 2000 °F</td>
</tr>
</tbody>
</table>
Pyrotrol 2253, 2254, 3503
Safety Data Sheet

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

Frost point: Not applicable
Boiling point: Not applicable
Critical temperature: Not applicable
Critical pressure: Not applicable
Flash point: Not applicable
Relative evaporation rate (butyl acetate=1): Not applicable
Relative evaporation rate (ether=1): Not applicable
Flammability (solid, gas): Non flammable.
Vapor pressure: Not Applicable
Vapor pressure at 50 °C: Not Applicable
Relative vapor density at 20 °C: No data available
Relative density: ≈ 2.7
Solubility: Insoluble in water.
Log Pow: No data available
Auto-ignition temperature: Not applicable
Decomposition temperature: No data available
Viscosity: Not Applicable
Viscosity, kinematic: Not Applicable
Viscosity, dynamic: Not Applicable
Explosion limits: Not applicable
Explosive properties: No data available
Oxidizing properties: No data 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
Not established.

10.4. Conditions to avoid
Avoid dust formation.

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
Likely routes of exposure: Inhalation
Acute toxicity: Not classified
Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

quartz (14808-60-7)

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
Potential Adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
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: Causes skin irritation.
Symptoms/effects after eye contact: Causes eye irritation.

SECTION 12: Ecological information

12.1. Toxicity
No additional information available
12.2. Persistence and degradability

**Pyrotrol 2253, 2254, 3503 (Mixture)**

Persistence and degradability: Not established.

**quartz (14808-60-7)**

Persistence and degradability: Biodegradability: not applicable. No (test) data on mobility of the substance available.

Biochemical oxygen demand (BOD): Not applicable

Chemical oxygen demand (COD): Not applicable

ThOD: Not applicable

12.3. Bioaccumulative potential

**Pyrotrol 2253, 2254, 3503 (Mixture)**

Bioaccumulative potential: Not established.

**quartz (14808-60-7)**

Bioaccumulative potential: No bioaccumulation data available.

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.

GWPmix comment: None known

Other information: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

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

Ecology - waste materials: Avoid release to the environment.

SECTION 14: Transport information

**Department of Transportation (DOT)**

In accordance with DOT

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**

No additional information available

**EU-Regulations**

No additional information available

**National regulations**

**quartz (14808-60-7)**

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

**Pyrotrol 2253, 2254, 3503 (Mixture)**

This product contains crystalline silica, a chemical known to the state of California to cause cancer.

**quartz (14808-60-7)**

<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Other information</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significant risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**quartz (14808-60-7)**

<table>
<thead>
<tr>
<th>U.S. - New Jersey - Right to Know Hazardous Substance List</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Revision date: 05/11/2017
Pyrotrol 2253, 2254, 3503
Safety Data Sheet

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)
This information and recommendations set forth herein are taken from sources believed to be accurate as of the date herein, however, Resco Products, Inc. makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.