Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name : CO2 Filter Kit with 1/8 in Connections, Part Number CP17983
Part No. (Chemical Kit) : CP17983
Part No.
Gas Clean Filter CO2 : CP17969
Gas Clean Filter Moisture : CP17971
Validation date : 5/31/2017

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

Material uses : Analytical chemistry.
Gas Clean Filter CO2 1 x 200 ml
Gas Clean Filter Oxygen 1 x 200 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

OSHA/HCS status : Gas Clean Filter CO2
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Gas Clean Filter Moisture
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Gas Clean Filter CO2
H314 SKIN CORROSION - Category 1
H318 SERIOUS EYE DAMAGE - Category 1
H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Gas Clean Filter Moisture
H350 CARCINOGENICITY - Category 1A
H371 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (lungs) - Category 2
H373 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (lungs) - Category 2
## Section 2. Hazards identification

### Ingredients of unknown toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percentage of the mixture consisting of ingredient(s) of unknown dermal toxicity:</td>
<td>&gt; 60%</td>
<td>&gt; 60%</td>
</tr>
<tr>
<td>Percentage of the mixture consisting of ingredient(s) of unknown inhalation toxicity:</td>
<td>&gt; 60%</td>
<td>&gt; 60%</td>
</tr>
<tr>
<td>Percentage of the mixture consisting of ingredient(s) of unknown oral toxicity:</td>
<td>&gt; 60%</td>
<td>&gt; 60%</td>
</tr>
</tbody>
</table>

### 2.2 GHS label elements

#### Hazard pictograms

<table>
<thead>
<tr>
<th>Hazard pictogram</th>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Pictogram" /></td>
<td><img src="image2" alt="Pictogram" /></td>
<td><img src="image3" alt="Pictogram" /></td>
</tr>
</tbody>
</table>

#### Signal word

<table>
<thead>
<tr>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Danger</td>
<td>Danger</td>
</tr>
</tbody>
</table>

#### Hazard statements

<table>
<thead>
<tr>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>H314 - Causes severe skin burns and eye damage.</td>
<td>H350 - May cause cancer.</td>
</tr>
<tr>
<td>H335 - May cause respiratory irritation.</td>
<td>H371 - May cause damage to organs. (lungs)</td>
</tr>
<tr>
<td>H350 - May cause cancer.</td>
<td>H373 - May cause damage to organs through prolonged or repeated exposure. (lungs)</td>
</tr>
</tbody>
</table>

#### Precautionary statements

##### Prevention

<table>
<thead>
<tr>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>P280 - Wear protective gloves. Wear eye or face protection: Recommended: Tightly-fitting goggles. Wear protective clothing.</td>
<td>P201 - Obtain special instructions before use.</td>
</tr>
<tr>
<td>P271 - Use only outdoors or in a well-ventilated area.</td>
<td>P202 - Do not handle until all safety precautions have been read and understood.</td>
</tr>
<tr>
<td>P261 - Avoid breathing dust.</td>
<td>P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.</td>
</tr>
<tr>
<td>P264 - Wash hands thoroughly after handling.</td>
<td>P260 - Do not breathe dust.</td>
</tr>
<tr>
<td>P270 - Do not eat, drink or smoke when using this product.</td>
<td>P270 - Do not eat, drink or smoke when using this product.</td>
</tr>
<tr>
<td>P264 - Wash hands thoroughly after handling.</td>
<td>P304 + P340 + P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.</td>
</tr>
</tbody>
</table>

##### Response

<table>
<thead>
<tr>
<th>CO2 Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>P301 + P310 + P330 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting.</td>
<td>P303 + P361 + P353 + P363 + P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash</td>
</tr>
</tbody>
</table>

### Date of issue: 05/31/2017
Section 2. Hazards identification

contaminated clothing before reuse. Immediately call a POISON CENTER or physician.
P305 + P351 + P338 + P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

P314 - Get medical attention if you feel unwell.
P308 + P311 - IF exposed or concerned: Call a POISON CENTER or physician.

Storage:
Gas Clean Filter CO2
P405 - Store locked up.
Gas Clean Filter Moisture
P405 - Store locked up.

Disposal:
Gas Clean Filter CO2
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Gas Clean Filter Moisture
P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements:
Gas Clean Filter CO2
Do not taste or swallow. Wash thoroughly after handling.
Gas Clean Filter Moisture
None known.

2.3 Other hazards

Hazards not otherwise classified:
Gas Clean Filter CO2
Causes digestive tract burns.
Gas Clean Filter Moisture
None known.

Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

Substance/mixture:
Gas Clean Filter CO2
Mixture (encapsulated in article)
Gas Clean Filter Moisture
Mixture (encapsulated in article)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>≥75 - ≤90</td>
<td>1305-62-0</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>≤5</td>
<td>1310-73-2</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td></td>
<td></td>
</tr>
<tr>
<td>crystalline silica, respirable powder</td>
<td>≤10</td>
<td>14808-60-7</td>
</tr>
<tr>
<td>cristobalite</td>
<td>≤10</td>
<td>14464-46-1</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.
### Section 4. First aid measures

#### 4.1 Description of necessary first aid measures

**Eye contact**  
Gas Clean Filter CO2  
Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.

Gas Clean Filter Moisture  
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.

**Inhalation**  
Gas Clean Filter CO2  
Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Gas Clean Filter Moisture  
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**  
Gas Clean Filter CO2  
Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Gas Clean Filter Moisture  
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Causes serious eye damage.</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>May cause respiratory irritation.</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Causes severe burns.</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrosive to the digestive tract. Causes burns.</td>
<td>No known significant effects or critical hazards.</td>
<td></td>
</tr>
</tbody>
</table>

#### Over-exposure signs/symptoms

<table>
<thead>
<tr>
<th>Eye contact</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adverse symptoms may include the following: pain</td>
<td>No specific data.</td>
<td></td>
</tr>
<tr>
<td>watering</td>
<td></td>
<td></td>
</tr>
<tr>
<td>redness</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Gas Clean Filter CO2</th>
<th>Gas Clean Filter Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adverse symptoms may include the following: respiratory tract irritation</td>
<td>No specific data.</td>
<td></td>
</tr>
<tr>
<td>coughing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Section 4. First aid measures

<table>
<thead>
<tr>
<th>Skin contact</th>
<th>Gas Clean Filter CO2</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>pain or irritation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>redness</td>
</tr>
<tr>
<td></td>
<td></td>
<td>blistering may occur</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>No specific data.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingestion</th>
<th>Gas Clean Filter CO2</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>stomach pains</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>No specific data.</td>
<td></td>
</tr>
</tbody>
</table>

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Gas Clean Filter CO2

<table>
<thead>
<tr>
<th>Specific treatments</th>
<th>Gas Clean Filter CO2</th>
<th>No specific treatment.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gas Clean Filter Moisture</td>
<td>No specific treatment.</td>
</tr>
</tbody>
</table>

Protection of first-aiders: Gas Clean Filter CO2

<table>
<thead>
<tr>
<th>Protection of first-aiders</th>
<th>Gas Clean Filter CO2</th>
<th>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gas Clean Filter Moisture</td>
<td>No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.</td>
</tr>
</tbody>
</table>

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

<table>
<thead>
<tr>
<th>Suitable extinguishing media</th>
<th>Gas Clean Filter CO2</th>
<th>Use an extinguishing agent suitable for the surrounding fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gas Clean Filter Moisture</td>
<td>Use an extinguishing agent suitable for the surrounding fire.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Unsuitable extinguishing media</th>
<th>Gas Clean Filter CO2</th>
<th>None known.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gas Clean Filter Moisture</td>
<td>None known.</td>
</tr>
</tbody>
</table>

5.2 Special hazards arising from the substance or mixture

<table>
<thead>
<tr>
<th>Specific hazards arising from the chemical</th>
<th>Gas Clean Filter CO2</th>
<th>No specific fire or explosion hazard.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gas Clean Filter Moisture</td>
<td>No specific fire or explosion hazard.</td>
</tr>
</tbody>
</table>
Section 5. Fire-fighting measures

Hazardous thermal decomposition products:
- Gas Clean Filter CO2: Decomposition products may include the following materials:
  - metal oxide/oxides
- Gas Clean Filter Moisture: Decomposition products may include the following materials:
  - metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters:
- Gas Clean Filter CO2: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Gas Clean Filter Moisture: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters:
- Gas Clean Filter CO2: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- Gas Clean Filter Moisture: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- Gas Clean Filter CO2: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- Gas Clean Filter Moisture: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:
- Gas Clean Filter CO2: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- Gas Clean Filter Moisture: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Date of issue: 05/31/2017
Section 6. Accidental release measures

6.2 Environmental precautions

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).</td>
</tr>
</tbody>
</table>

6.3 Methods and materials for containment and cleaning up

<table>
<thead>
<tr>
<th>Method</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.</td>
</tr>
</tbody>
</table>

Section 7. Handling and storage

7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Protection Type</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</td>
</tr>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td>Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face</td>
</tr>
</tbody>
</table>

Date of issue: 05/31/2017
Section 7. Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

- Gas Clean Filter CO2
  - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- Gas Clean Filter Moisture
  - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

- Recommendations:
  - Gas Clean Filter CO2: Industrial applications, Professional applications.
  - Gas Clean Filter Moisture: Not applicable.

Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

8.1 Control parameters

### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>ACGIH TLV (United States, 3/2016). TWA: 5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours.</td>
</tr>
<tr>
<td></td>
<td>NIOSH REL (United States, 10/2013). TWA: 5 mg/m³ 10 hours.</td>
</tr>
<tr>
<td></td>
<td>OSHA PEL (United States, 6/2016). TWA: 5 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 15 mg/m³ 8 hours. Form: Total dust</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>ACGIH TLV (United States, 3/2016). C: 2 mg/m³</td>
</tr>
</tbody>
</table>

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Section 8. Exposure controls/personal protection

**Gas Clean Filter Moisture**
- crystalline silica, respirable powder

  - CEIL: 2 mg/m³
- NIOSH REL (United States, 10/2013).
  - CEIL: 2 mg/m³
- OSHA PEL (United States, 6/2016).
  - TWA: 2 mg/m³ 8 hours.

- OSHA PEL Z3 (United States, 6/2016).
  - TWA: 250 mppcf / (%SiO2+5) 8 hours. Form: Respirable
  - TWA: 10 mg/m³ / (%SiO2+2) 8 hours. Form: Respirable
  - TWA: 0.1 mg/m³, (as quartz) 8 hours. Form: Respirable dust
- OSHA PEL (United States, 6/2016).
  - TWA: 50 µg/m³ 8 hours. Form: Respirable dust
- ACGIH TLV (United States, 3/2016).
  - TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction
- NIOSH REL (United States, 10/2013).
  - TWA: 0.05 mg/m³ 10 hours. Form: respirable dust

- OSHA PEL Z3 (United States, 6/2016).
  - TWA: 250 mppcf / 2 x (%SiO2+5) 8 hours. Form: Respirable
  - TWA: 10 mg/m³ / 2 x (%SiO2+2) 8 hours. Form: Respirable
  - TWA: 30 mg/m³ / 2 x (%SiO2+2) 8 hours. Form: Total dust
  - TWA: 0.05 mg/m³, (as quartz) 8 hours. Form: Respirable dust
- OSHA PEL (United States, 6/2016).
  - TWA: 50 µg/m³ 8 hours. Form: Respirable dust
- ACGIH TLV (United States, 3/2016).
  - TWA: 0.025 mg/m³ 8 hours. Form: Respirable fraction
- NIOSH REL (United States, 10/2013).
  - TWA: 0.05 mg/m³ 10 hours. Form: respirable dust

8.2 Exposure controls

**Appropriate engineering controls**
- Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls**
- Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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Section 8. Exposure controls/personal protection

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Gas Clean Filter CO2
Gas Clean Filter Moisture
Solid. [Granular solid.]

Color: Gas Clean Filter CO2
Gas Clean Filter Moisture
White. Violet.
Tan.

Odor: Gas Clean Filter CO2
Gas Clean Filter Moisture
Characteristic.
Not available.

Odor threshold: Gas Clean Filter CO2
Gas Clean Filter Moisture
Not available.

pH: Gas Clean Filter CO2
>12 [Conc. (% w/w): 0.14%]
Gas Clean Filter Moisture
Not available.

Melting point: Gas Clean Filter CO2
Gas Clean Filter Moisture
Not available.

Boiling point: Gas Clean Filter CO2
Gas Clean Filter Moisture
Not available.

Flash point: Gas Clean Filter CO2
Gas Clean Filter Moisture
Not available.

Evaporation rate: Gas Clean Filter CO2
Gas Clean Filter Moisture
Closed cup: >535°C (>995°F)
Not available.

Flammability (solid, gas): Gas Clean Filter CO2
Gas Clean Filter Moisture
Not available.

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### Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>CO2 Filter CO2</th>
<th>Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Lower and upper explosive (flammable) limits</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td>2.3 kPa (17.25 mm Hg) [room temperature]</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 10. Stability and reactivity

<table>
<thead>
<tr>
<th>Property</th>
<th>CO2 Filter CO2</th>
<th>Moisture</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>10.1 Reactivity</strong></td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
<tr>
<td><strong>10.2 Chemical stability</strong></td>
<td>The product is stable.</td>
<td>The product is stable.</td>
</tr>
<tr>
<td><strong>10.3 Possibility of hazardous reactions</strong></td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
<tr>
<td><strong>10.4 Conditions to avoid</strong></td>
<td>No specific data.</td>
<td>No specific data.</td>
</tr>
<tr>
<td><strong>10.5 Incompatible materials</strong></td>
<td>May react or be incompatible with oxidizing materials.</td>
<td>May react or be incompatible with oxidizing materials.</td>
</tr>
<tr>
<td><strong>10.6 Hazardous decomposition products</strong></td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
<td>Under normal conditions of storage and use, hazardous decomposition products should not be produced.</td>
</tr>
</tbody>
</table>

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**12/18**
### Section 11. Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>7340 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

**Irritation/Corrosion**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>10 milligrams</td>
<td>-</td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 50 Micrograms</td>
<td>-</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>1 Percent 0.5 minutes 1 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 milligrams</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitization**

Not available.

**Conclusion/Summary Skin**

May cause sensitization by skin contact.

**Mutagenicity**

Not available.

**Carcinogenicity**

Not available.

**Classification**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter Moisture crystalline silica, respirable powder cristobalite</td>
<td>-</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
</tr>
<tr>
<td></td>
<td>-</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
</tr>
</tbody>
</table>

**Reproductive toxicity**

Not available.

**Teratogenicity**

Not available.

**Specific target organ toxicity (single exposure)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2 Calcium dihydroxide</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture crystalline silica, respirable powder</td>
<td>Category 2</td>
<td>Inhalation</td>
<td>Lungs</td>
</tr>
</tbody>
</table>

**Specific target organ toxicity (repeated exposure)**

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Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter Moisture cristobalite</td>
<td>Category 2</td>
<td>Not determined</td>
<td>lungs</td>
</tr>
</tbody>
</table>

**Information on the likely routes of exposure**

**Inhalation**
- Gas Clean Filter CO2: May cause respiratory irritation.
- Gas Clean Filter Moisture: No known significant effects or critical hazards.

**Ingestion**
- Gas Clean Filter CO2: Causes severe burns.
- Gas Clean Filter Moisture: No known significant effects or critical hazards.

**Skin contact**
- Gas Clean Filter CO2: Causes serious eye damage.
- Gas Clean Filter Moisture: No known significant effects or critical hazards.

**Eye contact**
- Gas Clean Filter CO2: Causes severe burns.
- Gas Clean Filter Moisture: No known significant effects or critical hazards.

**Potential acute health effects**

**Eye contact**: Causes serious eye damage.

**Inhalation**: May cause respiratory irritation.

**Skin contact**: Causes severe burns.

**Ingestion**: Corrosive to the digestive tract. Causes burns.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact**
- Gas Clean Filter CO2: Adverse symptoms may include the following:
  - pain
  - watering
  - redness
- Gas Clean Filter Moisture: No specific data.

**Inhalation**
- Gas Clean Filter CO2: Adverse symptoms may include the following:
  - respiratory tract irritation
  - coughing
- Gas Clean Filter Moisture: No specific data.

**Skin contact**
- Gas Clean Filter CO2: Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur
- Gas Clean Filter Moisture: No specific data.

**Ingestion**
- Gas Clean Filter CO2: Adverse symptoms may include the following:
  - stomach pains
- Gas Clean Filter Moisture: No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects**: Not available.

**Potential delayed effects**: Not available.

**Long term exposure**

**Potential immediate effects**: Not available.

**Potential delayed effects**: Not available.

**Potential chronic health effects**

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Section 11. Toxicological information

**General**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - May cause damage to organs through prolonged or repeated exposure.

**Carcinogenicity**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - May cause cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - No known significant effects or critical hazards.

**Teratogenicity**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - No known significant effects or critical hazards.

**Developmental effects**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - No known significant effects or critical hazards.

**Fertility effects**
- **Gas Clean Filter CO2**
  - No known significant effects or critical hazards.
- **Gas Clean Filter Moisture**
  - No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**
- Not available.

Section 12. Ecological information

**12.1 Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>Acute LC50 33884.4 µg/l Fresh water</td>
<td>Fish - Clarias gariepinus - Fingerling</td>
<td>96 hours</td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>Acute EC50 40.38 mg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia dubia - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>Acute LC50 125 ppm Fresh water</td>
<td>Fish - Gambusia affinis - Adult</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

**12.2 Persistence and degradability**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>-</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

**12.3 Bioaccumulative potential**
- Not available.

**12.4 Mobility in soil**
- **Soil/water partition coefficient (KOC)**: Not available.

**12.5 Other adverse effects**
- No known significant effects or critical hazards.
Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

DOT / TDG / Mexico / IMDG / IATA: Not regulated.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL and the IBC Code: Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Water Act (CWA) 311: Sodium hydroxide

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

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Section 15. Regulatory information

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304
Composition/information on ingredients
No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312
Classification: Gas Clean Filter CO2 Immediate (acute) health hazard
Gas Clean Filter Moisture Immediate (acute) health hazard
Calcium dihydroxide
Immediate (acute) health hazard
Delayed (chronic) health hazard

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter CO2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calcium dihydroxide</td>
<td>≥75 - ≤90</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Sodium hydroxide</td>
<td>≤5</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Gas Clean Filter Moisture</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crystalline silica, respirable powder cristobalite</td>
<td>≤10</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

State regulations

Massachusetts: The following components are listed: CALCIUM HYDROXIDE; SODIUM HYDROXIDE; CRISTOBALITE DUST; SILICA, CRYSTALLINE, QUARTZ

New York: The following components are listed: Sodium hydroxide

New Jersey: The following components are listed: CALCIUM HYDROXIDE; HYDRATED LIME; SODIUM HYDROXIDE; CAUSTIC SODA; SILICA, CRISTOBALITE; CRISTOBALITE (SiO2); SILICA, QUARTZ; QUARTZ (SiO2)

Pennsylvania: The following components are listed: CALCIUM HYDROXIDE; SODIUM HYDROXIDE; CRISTOBALITE DUST; CRISTOBALITE; QUARTZ DUST; QUARTZ

California Prop. 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Cancer</th>
<th>Reproductive</th>
<th>No significant risk level</th>
<th>Maximum acceptable dosage level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas Clean Filter Moisture</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>Yes.</td>
<td>No.</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Silica, crystalline</td>
<td>Yes.</td>
<td>No.</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals
Not listed.

Montreal Protocol (Annexes A, B, C, E)
Not listed.

Stockholm Convention on Persistent Organic Pollutants
Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

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Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

**Inventory list**

- **Australia**: All components are listed or exempted.
- **Canada**: Not determined.
- **China**: All components are listed or exempted.
- **Europe**: All components are listed or exempted.
- **Japan**:
  - **Japan inventory (ENCS)**: All components are listed or exempted.
  - **Japan inventory (ISHL)**: All components are listed or exempted.
- **Malaysia**: All components are listed or exempted.
- **New Zealand**: Not determined.
- **Philippines**: Not determined.
- **Republic of Korea**: Not determined.
- **Taiwan**: All components are listed or exempted.
- **Thailand**: Not determined.
- **Turkey**: Not determined.
- **United States**: All components are listed or exempted.
- **Viet Nam**: Not determined.

Section 16. Other information

**History**

- **Date of issue**: 05/31/2017
- **Date of previous issue**: 10/28/2015.
- **Version**: 3

*Indicates information that has changed from previously issued version.*

**Notice to reader**

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