Section 1. Identification

1.1 Product identifier
Product name: Universal Calibration Mix Kit, Part Number 5184-3546
Part No. : 5184-3546
Validation date: 1/23/2015.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Material uses: Analytical chemistry.
2 Cylinders

1.3 Details of the supplier of the safety data sheet
Supplier/Manufacturer: Agilent Technologies, Inc.
Logistics Center - Americas
500 Ships Landing Way
New Castle, Delaware 19720
800-227-9770

1.4 Emergency telephone number
In case of emergency: CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture
OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
H220 FLAMMABLE GASES - Category 1
H280 GASES UNDER PRESSURE - Compressed gas
Simple Asphyx.
SIMPLE ASPHYXIANT
H360 TOXIC TO REPRODUCTION (Unborn child) - Category 1A

Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 99%

2.2 GHS label elements

Signal word: Danger
Hazard statements: H220 - Extremely flammable gas.
H280 - Contains gas under pressure; may explode if heated.
No Code(s) - May displace oxygen and cause rapid suffocation.
H360 - May damage the unborn child.

Date of issue: 01/23/2015
Section 2. Hazards identification

Prevention
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P281 - Use personal protective equipment as required.
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Response
- P308 + P313 - IF exposed or concerned: Get medical attention.
- P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
- P381 - Eliminate all ignition sources if safe to do so.

Storage
- P405 - Store locked up.
- P410 - Protect from sunlight.
- P403 - Store in a well-ventilated place.

Disposal
- P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements
- Keep container tightly closed. Use only with adequate ventilation. Do not enter storage areas and confined spaces unless adequately ventilated.

2.3 Other hazards

Hazard not otherwise classified
- Acts as a simple asphyxiant. At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.

Section 3. Composition/information on ingredients

Substance/mixture: Mixture

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>&lt; 0.1</td>
<td>630-08-0</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
- 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.

Inhalation
- 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. Get medical attention. 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
- Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. To avoid the risk of static discharges and gas ignition, soak contaminated clothing thoroughly with water before removing it. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion
- As this product is a gas, refer to the inhalation section.
Section 4. First aid measures

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Contact with rapidly expanding gas may cause burns or frostbite.
Inhalation : At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.
Skin contact : Contact with rapidly expanding gas may cause burns or frostbite.
Ingestion : As this product is a gas, refer to the inhalation section.

Over-exposure signs/symptoms

Eye contact : No specific data.
Inhalation : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations
Skin contact : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations
Ingestion : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments : No specific treatment.
Protection of first-aiders : 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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical : Contains gas under pressure. Extremely flammable gas. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.
Hazardous thermal decomposition products : Decomposition products may include the following materials:
- carbon dioxide
- carbon monoxide

5.3 Advice for firefighters
Section 5. Fire-fighting measures

Special protective actions for fire-fighters: 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. Contact supplier immediately for specialist advice. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk. If this is impossible, withdraw from area and allow fire to burn. Fight fire from protected location or maximum possible distance. Eliminate all ignition sources if safe to do so.

Special protective equipment for fire-fighters: 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: Accidental releases pose a serious fire or explosion hazard. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing gas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialised 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".

6.2 Environmental precautions: Ensure emergency procedures to deal with accidental gas releases are in place to avoid contamination of the environment. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and materials for containment and cleaning up

Immediately contact emergency personnel. Stop leak if without risk. Use spark-proof tools and explosion-proof equipment.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Contains gas under pressure. Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not puncture or incinerate container.

Advice on general occupational hygiene: 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.

7.2 Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in a segregated and approved area. Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10). Store locked up. Eliminate all ignition sources. Keep container tightly closed and sealed until ready for use.

7.3 Specific end use(s)

Date of issue: 01/23/2015
Section 7. Handling and storage

**Recommendations**: Industrial applications, Professional applications.

**Industrial sector specific solutions**: Not applicable.

Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>ACGIH TLV (United States, 4/2014).&lt;br&gt;TWA: 25 ppm 8 hours.&lt;br&gt;TWA: 29 mg/m³ 8 hours.&lt;br&gt;OSHA PEL 1989 (United States, 3/1989).&lt;br&gt;TWA: 35 ppm 8 hours.&lt;br&gt;TWA: 40 mg/m³ 8 hours.&lt;br&gt;CEIL: 200 ppm&lt;br&gt;CEIL: 229 mg/m³&lt;br&gt;NIOSH REL (United States, 10/2013).&lt;br&gt;TWA: 35 ppm 10 hours.&lt;br&gt;TWA: 40 mg/m³ 10 hours.&lt;br&gt;CEIL: 200 ppm&lt;br&gt;CEIL: 229 mg/m³&lt;br&gt;OSHA PEL (United States, 2/2013).&lt;br&gt;TWA: 50 ppm 8 hours.&lt;br&gt;TWA: 55 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

### 8.2 Exposure controls

#### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

#### 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.

#### 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: safety glasses with sideshields.
Section 8. Exposure controls/personal 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**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**
- The gas can cause asphyxiation without warning by replacing the oxygen in the air. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. If operating conditions cause high gas concentrations to be produced or any recommended or statutory exposure limit is exceeded, use an air-fed respirator or self-contained breathing apparatus. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

**Appearance**
- **Physical state**
  - Gas.
- **Color**
  - Not available.
- **Odor**
  - Not available.
- **Odor threshold**
  - Not available.
- **pH**
  - Not available.
- **Melting point**
  - -182.6°C (-296.7°F)
- **Boiling point**
  - -161.6°C (-258.9°F)
- **Flash point**
  - Closed cup: <-18°C (<-0.4°F)
- **Evaporation rate**
  - Not available.
- **Flammability (solid, gas)**
  - Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
- **Lower and upper explosive (flammable) limits**
  - Lower: 5%
  - Upper: 15.4%
- **Vapor pressure**
  - 101.3 kPa (760 mm Hg) [room temperature]
- **Vapor density**
  - 0.55 [Air = 1]
- **Relative density**
  - Not available.
- **Solubility**
  - Not available.
- **Solubility in water**
  - Not available.
- **Partition coefficient: n-octanol/water**
  - Not available.
- **Auto-ignition temperature**
  - Not available.
- **Decomposition temperature**
  - Not available.
- **Viscosity**
  - Not available.
Section 10. Stability and reactivity

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow gas to accumulate in low or confined areas.

10.5 Incompatible materials: Reactive or incompatible with the following materials: oxidizing materials.

10.6 Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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>Carbon monoxide</td>
<td>LC50 Inhalation Gas.</td>
<td>Rat</td>
<td>1900 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LC50 Inhalation Gas.</td>
<td>Rat</td>
<td>1807 ppm</td>
<td>4 hours</td>
</tr>
</tbody>
</table>

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon monoxide</td>
<td>Category 2</td>
<td>Not determined</td>
<td>blood system and central nervous system (CNS)</td>
</tr>
</tbody>
</table>

Aspiration hazard

Not available.

Date of issue: 01/23/2015 7/13
Section 11. Toxicological information

Information on the likely routes of exposure

Routes of entry anticipated: Inhalation.

Potential acute health effects

Eye contact : Contact with rapidly expanding gas may cause burns or frostbite.
Inhalation : At very high concentrations, can displace the normal air and cause suffocation from lack of oxygen.
Skin contact : Contact with rapidly expanding gas may cause burns or frostbite.
Ingestion : As this product is a gas, refer to the inhalation section.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.
Inhalation : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations
Skin contact : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations
Ingestion : Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

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

General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : May damage the unborn child.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Date of issue : 01/23/2015
Section 12. Ecological information

12.1 Toxicity
Not available.

12.2 Persistence and degradability
Not available.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil
Soil/water partition coefficient ($K_{OC}$) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods
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

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
</table>

Date of issue : 01/23/2015
## Section 14. Transport information

<table>
<thead>
<tr>
<th>DOT</th>
<th>UN1971</th>
<th>Methane, compressed</th>
<th>2.1</th>
<th>-</th>
<th>Limited quantity: Yes.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Packaging instruction</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Passenger aircraft</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantity limitation: Forbidden.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Packaging instructions: 173.302</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Cargo aircraft</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quantity limitation: 150 kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Requires Dangerous Goods BOL Cargo Aircraft Only</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TDG</th>
<th>UN1971</th>
<th>METHANE, COMPRESSED</th>
<th>2.1</th>
<th>-</th>
<th>Explosive Limit and Limited Quantity Index: 0.12</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ERAP Index</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3000</td>
</tr>
<tr>
<td><strong>Passenger Carrying Ship Index</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Forbidden</td>
</tr>
<tr>
<td><strong>Passenger Carrying Road or Rail Index</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Forbidden</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mexico</th>
<th>UN1971</th>
<th>METANO COMPRIMIDO</th>
<th>2.1</th>
<th>-</th>
<th>-</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>IMDG</th>
<th>UN1971</th>
<th>METHANE, COMPRESSED</th>
<th>2.1</th>
<th>-</th>
<th>Emergency schedules (EmS): F-D, S-U</th>
</tr>
</thead>
</table>

**Date of issue:** 01/23/2015
Section 14. Transport information

<table>
<thead>
<tr>
<th>IATA</th>
<th>UN1971</th>
<th>Methane, compressed</th>
<th>2.1</th>
<th>-</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Passenger and Cargo Aircraft**
- Quantity limitation: Forbidden
- Packaging instructions: Forbidden

**Cargo Aircraft Only**
- Quantity limitation: 150 kg
- Packaging instructions: 200

**Limited Quantities - Passenger Aircraft**
- Quantity limitation: Forbidden
- Packaging instructions: Forbidden

**Special provisions**
- A1

**Remarks**
- Requires Shipper's Declaration of Dangerous Goods
- Cargo Aircraft Only

---

PG*: Packing group

---

Section 15. Regulatory information

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

**U.S. Federal regulations**

- **Clean Air Act Section 112**
  - (b) Hazardous Air Pollutants (HAPs): Not listed
- **Clean Air Act Section 602**
  - Class I Substances: Not listed
  - Class II Substances: Not listed
- **DEA List I Chemicals (Precursor Chemicals)**: Not listed
- **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**

---

**Clean Air Act (CAA) 112 regulated flammable substances**: Methane

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

**Clean Air Act (CAA) 112 regulated flammable substances**: Methane

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**
- United States inventory (TSCA 8b): All components are listed or exempted.
- Clean Air Act (CAA) 112 regulated flammable substances: Methane

---

**Clean Air Act Section 602**
- Class I Substances: Not listed
- Class II Substances: Not listed

**DEA List I Chemicals (Precursor Chemicals)**
- Not listed

**DEA List II Chemicals (Essential Chemicals)**
- Not listed

---

**DEA List I Chemicals (Precursor Chemicals)**
- Not listed

**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**

---

**U.S. Federal regulations**
- **Clean Air Act (CAA) 112 regulated flammable substances**: Methane

**Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)**
- United States inventory (TSCA 8b): All components are listed or exempted.
- Clean Air Act (CAA) 112 regulated flammable substances: Methane

---

**SARA 302/304**
- **Composition/information on ingredients**
  - No products were found.
- **SARA 304 RQ**: Not applicable.
- **SARA 311/312**

---

**Date of issue**: 01/23/2015
Section 15. Regulatory information

Classification:
- Fire hazard
- Sudden release of pressure
- 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>Carbon monoxide</td>
<td>&lt; 0.1</td>
<td>Yes.</td>
<td>Yes.</td>
<td>No.</td>
<td>Yes.</td>
<td>Yes.</td>
</tr>
</tbody>
</table>

State regulations:
- Massachusetts: The following components are listed: METHANE
- New York: None of the components are listed.
- New Jersey: The following components are listed: METHANE
- Pennsylvania: The following components are listed: METHANE

California Prop. 65:
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

<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>Carbon monoxide</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

Canada inventory:
- All components are listed or exempted.

International regulations:
- Australia inventory (AICS): All components are listed or exempted.
- China inventory (IECSC): Not determined.
- Japan inventory: Not determined.
- Korea inventory: All components are listed or exempted.
- Malaysia Inventory (EHS Register): Not determined.
- New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted.
- Philippines inventory (PICCS): All components are listed or exempted.
- Taiwan inventory (CSNN): Not determined.

Chemical Weapons Convention List Schedule I Chemicals:
- Not listed

Chemical Weapons Convention List Schedule II Chemicals:
- Not listed

Chemical Weapons Convention List Schedule III Chemicals:
- Not listed
Section 16. Other information

History
- Date of issue: 1/23/2015.
- Date of previous issue: 7/26/2012.
- Version: 3

Indicates information that has changed from previously issued version.

Notice to reader
Disclaimer: The information contained in this document is based on Agilent's state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.