EMERGENCY OVERVIEW:

This gas mixture is a colorless gas which has a sharp-ear gas odor. Exposure to this gas mixture can cause immediate respiratory irritation. The odor is the result of the presence of Hydrogen Sulfide (H2S). This odor is the only warning of the presence of this gas mixture, because irritant effects can occur after exposure to Hydrogen Sulfide. Hydrogen Sulfide and Carbon Monoxide (another component of this gas mixture) are toxic to humans in relatively low concentrations. Over-exposure to this gas mixture can cause skin irritation and eye irritation.

SYMPTOMS OF EXPOSURE BY ROUTE OF EXPOSURE:

The most significant route of exposure for this gas mixture is by inhalation. INHALATION: Due to the small size of this gas component in the gas mixture, any irritant effects of this gas mixture may be primarily seen in the respiratory tract. Over-exposure to this gas mixture may result in respiratory irritation, coughing, and eye irritation.

SOLVENTS AND PROPERTIES:

This gas mixture contains a maximum of 200 ppm Hydrogen Sulfide. The higher concentration values are presented to dilute the complete health effects which have been observed for exposure to Hydrogen Sulfide. Inhalation of this gas mixture may cause inhalation of atmospheres containing significant levels of Toxic or Extremely Dioxide (CO2) in the gas mixture, which can be permanently damaged. The gas mixture is classified as a chemical agent. It may cause a local reaction which may aggravate the symptoms of the exposed individual.

OXYGEN CONCENTRATION:

12-16% Oxygen: If the mixture contains 12-16% Oxygen, the mixture may cause local reaction. This gas mixture may cause respiratory irritation. The gas mixture may cause a local reaction which may aggravate the symptoms of the exposed individual.

OBSERVED EFFECT:

Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. Over-exposure to this gas mixture may cause irritant effects to the skin. 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Material Safety Data Sheet

Rev. 1

October 2009

Hazard Class: 2.2 (Non-Flammable Gas)
UN Identification Number: UN 1556

Regulatory Information

15. Regulatory Information

Additional U.S. Regulations: U.S. SARA Reporting Requirements. This gas mixture is subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act, as follows:

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>SARA 302 (40 CFR 355, Appendix A)</th>
<th>SARA 304 (40 CFR Table 302.4)</th>
<th>SARA 313 (40 CFR 372.65)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Sulfide</td>
<td>YES</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

U.S. SARA Threshold Planning Quantity: Hydrogen Sulfide ≥ 550 to (227 kg) U.S. TSCA Inventory Status. The contents of this gas mixture are listed on the TSCA inventory. U.S. CERCLA Reportable Quantity (RC): Hydrogen Sulfide ≥ 355 ft³ (100 kg).

Other U.S. Federal Regulations: Hydrogen Sulfide and Carbon Monoxide are subject to the reporting requirements of CFR 29.1910-1000. Hydrogen Sulfide and Methane are subject to the reporting requirements of Section 112(b) of the Clean Air Act. The Threshold Quantity for each of these gases is 10,000 pounds and so this mixture will not be affected by this regulation. Depending on specific operations involving the use of this gas mixture, the regulations of the Process Safety Management of Highly Hazardous Chemicals may be applicable (29 CFR 1910.119). Hydrogen Sulfide is listed in Appendix A of this regulation. The Threshold Quantity for Hydrogen Sulfide under this regulation is 1502 lbs (682 kg) or one cubic yard of this material in any form. Therefore, hydrogen sulfide is subject to the regulation in Table 1 as a Regulated Substances (Table 1) substance in quantities of 10,000 lbs (4,553 kg) or greater, and this mixture will not be affected by the regulations. U.S. State Regulatory Information. The contents of this gas mixture are covered under the California Proposition 65 list. OHIO - Hazardous Substance List: Oxygen, Carbon Monoxide, Hydrogen Sulfide, Methane. PENNSYLVANIA - Hazardous Substance List: Oxygen, Carbon Monoxide, Hydrogen Sulfide, Methane. SOUTH CAROLINA - Hazardous Substance List: Oxygen, Carbon Monoxide, Hydrogen Sulfide, Methane. WISCONSIN - Hazardous Substance List: Oxygen, Carbon Monoxide, Hydrogen Sulfide, Methane.

16. Other Information

Information about DOT-39 NRC (Non-Refillable Cylinder) Products: DOT-39 cylinders ship an hazardous materials when full. Due to the cylinders are subjected pressure (empty) they are not considered hazardous packaged in DOT-39 cylinders are flammable or oxidizing gas mixtures. For disposal of used DOT-39 cylinders, it is acceptable to place them in a landfill if local laws permit. Their disposal is no different than that employed with other DOT containers such as properties may contain to create additional, unexpected hazards. Obtain and evaluate the safety information for each component before you produce the mixture. Consult an industrial hygienist or other trained person when you make your safety evaluations. Additional Canadian Regulations: Canadian regulations may vary. For more information, please contact the relevant regulatory body.