

PULSE SCIENTIFIC INC.
Unit 18, 5100 South Service Road
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Tel: 905-333-8188
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MATERIAL SAFETY DATA SHEET

Section 1. Identification

- Product Name and Synonyms: Carbon Dioxide Detection Test.
- Intended Use: The Pulse CO₂ TEST is a chemical indicator system designed to provide visible indication of achieving a 5% carbon dioxide environment.
- Company: Pulse Scientific Inc.
Unit 18, 5100 South Service Road,
Burlington, Ontario, L7L 6A5 Canada
Tel: 905-333-8188
Emergency Telephone Number: (905) 333-8188

Section 2. Hazard Identification

- Hazardous Mixtures of other liquids, solids, or gases: Reagent A consists of alcohol (Ethanol) which is flammable, but the volume is 5ml, which is considered limited quantity.

Section 3. Composition/Information on Ingredients

- Active Formula Ingredients: Solution A: Alcohol is used to dissolve a dye in this solution.

Section 4. First Aid Measures

- First Aid: In case of eye contact, immediately flush the eye with copious amounts of water for a minimum of 15 minutes. In case of skin contact, immediately wash skin with soap and copious amounts of water. If inhaled, immediately move to fresh air. If respiration is absent give artificial respiration. If respiration is difficult, give oxygen. Call a physician. If ingested, immediately wash out the mouth and call a physician.

Section 5. Fire-Fighting Measures

- Extinguishing media: Water, foam, CO₂, dry Chemical.

Section 6. Accidental Release Measures

- Steps to be taken in case material is spilled or released: Large spill is absorbed on paper, evaporated in a hood on a glass plate, and burned. Small spill is mopped up and rinsed down the drain with copious amounts of water.
- Respiratory Precautions: Use in a well ventilated area.
- Contact Precautions: Safety showers and eye baths must be readily available.

Section 7. Handling and Storage

- Precautions for safe handling: wear appropriate personal protective equipment.
- Storage: store at 15-30 °C, in the original and intact container.

Section 8. Exposure Controls/Personal Protection

- Exposure Limits: N/A
- Engineering Controls: N/A
- Personal Protective Equipment: Lab coat.

Section 9. Physical and Chemical Properties

- Appearance and Odor: Disk: A white paper disk is used as the carrier for Solution A and B.
Solution A: A colorless solution with a sweet odor.
Solution B: A colorless solution.
- Odor Threshold: N/A
- pH: N/A
- Melting/Freezing Point: N/A
- Boiling Point: N/A
- Flash Point: 100° F(CC) Alcohol
- Evaporation Rate: N/A
- Flammability: N/A
- Explosion Limits: N/A

Section 10. Stability and Reactivity

- Hazardous reactions: N/A

Section 11. Toxicological Information

- Acute toxicity: Solution A is harmful if inhaled and harmful if swallowed.
- Skin corrosion/irritation: Solution A may cause skin irritation.
- Serious eye damage/eye irritation: Solution A may cause eye irritation.
- Respiratory or skin sensitization: Solution A is irritating to mucous membranes and upper respiratory tract.
- Carcinogenicity: N/A
- Reproductive toxicity: N/A

Section 12. Ecological Information: N/A

Section 13. Disposal Considerations:

- Waste Disposal Methods: Dispose of material in a landfill site approved for the disposal of chemical and hazardous waste. Comply with federal, state, county, and local environmental regulations.

Section 14. Transport Information: N/A

Section 15. Regulatory Information: N/A

Section 16. The statements contained herein are for informational use only and are intended only for persons having related technical skills and at their own discretion and risk. Since conditions of use are outside of our control, we make no warranties, expressed or implied, and assume no liability in connection with any use of this information.

• Preparation Information

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