

PULSE SCIENTIFIC INC.
Unit 18, 5100 South Service Road
Burlington, Ontario L7L 6A5 Canada
Tel: 905-333-8188
Fax: 905-333-0500

MATERIAL SAFETY DATA SHEET

Section 1. Identification

- Product Name and Synonyms: Indole (Sutter's) Reagent or PEP Reagent
- Intended Use: Pulse Indole (Sutter's) Reagent or PEP Reagent is used in conjunction with the Pulse PYR Disc to perform the indole test or "indole spot test". It is also used in conjunction with Pulse LAP Disc.
- 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: Hydrochloric Acid (approximately 0.01N) is corrosive.

Section 3. Composition/Information on Ingredients

- Active Formula Ingredients: 1% dilution of paradimethylamino-cinnamaldehyde in a 1% dilution of a diluted HCl (diluted HCl = 10% of concentrated HCl) in water.

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

- N/A

Section 6. Accidental Release Measures

The products, by themselves, do not warrant special considerations. However, the anticipated use of these products can involve potential, disease-producing microorganisms.

- Steps to be taken in case material is spilled or released: In these applications, immediately saturate the spill or leak with an aqueous germicidal reagent (i.e. 70% alcohol). After 15 minutes of exposure to the wet germicidal reagent, wipe up the spill or leak and dispose into a biohazardous container.
- Respiratory Precautions: Respiratory Precautions: The use of biological safety hoods and the prevention of aerosols must be dictated by the standard operational procedures of each individual laboratory.
- Protective Clothing: The use of gloves, moisture impervious aprons, and other protective clothing must be dictated by the standard operational procedures of each individual laboratory.
- 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 2-8 °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: This reagent is a light yellow to tan, aqueous solution with an aromatic odor.
- Odor Threshold: N/A • pH: N/A
- Melting/Freezing Point: N/A • Boiling Point: N/A • Flash Point: N/A
- 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: harmful if inhaled and harmful if swallowed.
- Skin corrosion/irritation: may cause skin irritation.
- Serious eye damage/eye irritation: N/A
- Respiratory or skin sensitization: material 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: The products, by themselves, do not warrant special considerations. However, the anticipated use of these products can involve potential, disease-producing microorganisms. Precautions should be taken against microbial hazards. Sterilize (i.e. at 121 °C, 15 #, 15 minutes) or incinerate (EPA approved incinerator) all waste.

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

- Prepared By: Puja Chopra (Quality Assurance Coordinator)
- Phone Number: 905-333-8188
- Revision Date: Jan 24, 2017
- Expiry Date: Jan 24, 2020