



Safety Data Sheet
Autogenous Bacterins Containing Water Based Adjuvants

Prepared by Jackie Gallant

| SDS Section | SDS Heading | Specific Information Elements |
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| 1 | Identification | <ul style="list-style-type: none"> • Sterile Biologic containing inactivated, bacterial culture(s), may contain a chemical inactivating agent, preservative, and aluminum hydroxide adjuvant. • For the vaccination of healthy animals against the organisms listed on the product label. • For veterinary use only. Not for oral or human use. Must only be used on the farm(s) listed on the label and/or the production records. • Manufacturer: Gallant Custom Laboratories Inc 1425 Bishop St. N units 10 -13 Cambridge, ON N1R 6J9 Telephone: 519 620-2488 or 1888-838-5223 Fax: 519 620-2489 • Alternate emergency telephone number : 519 240-3216 |
| 2 | Hazard Identification | <ul style="list-style-type: none"> • Health hazards are not anticipated for persons using this product as directed under field conditions <ul style="list-style-type: none"> • Avoid accidental injection and needle sticks • Dispense used needles in appropriate containers. |
| 3 | Composition/Information On Ingredients | <ul style="list-style-type: none"> • Product contains inactivated bacterial cells and fermentation byproducts • The following chemicals may be present Formaldehyde <ul style="list-style-type: none"> • Also known as formalin • Formaldehyde is a known carcinogen. • Chemical Abstract Service (CAS) registry number 50-00-0 • Concentration of 0.2 to 0.5% |

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| | | <p>Sodium Ethylmercurithiosalicylate</p> <ul style="list-style-type: none"> • Also known as Thimerosal • Thiomersal is very toxic by inhalation, skin contact and if swallowed • CAS registry number 54-64-8 • Concentration is 1:10,000 <p>2% Aluminum Hydroxide Gel</p> <ul style="list-style-type: none"> • Also known as Alhydrogel® • This product contains aluminum hydroxide gel. Aluminum hydroxide can be irritating to skin, eyes and digestive tract. Excessive exposure may produce more harmful effects. • Concentration 10 to 25% |
| 4 | First-aid Measures | <ul style="list-style-type: none"> • First-aid measures by route of exposure: <ul style="list-style-type: none"> • Injection- May cause pain, or slight swelling at injection site. Review status of tetanus immunization. Bacterial components are inactivated, however, may be gram negative and contain endotoxin. In any case of exposure, contact a physician as soon as possible. • Skin Contact- Wash thoroughly with soap and water • Eye Contact - May cause irritation. Flush with copious amounts of water for 15 minutes. In any case of exposure contact a physician as soon as possible. • Ingestion – Contact physician • Health hazards are not anticipated for persons using this product as directed under field conditions. |
| 5 | Fire Fighting Measures | <ul style="list-style-type: none"> • Suitable extinguishing media- Water or dry Chemical • Specific hazards arising from the hazardous product - none • Special protective equipment and precautions for fire fighters- None reported |
| 6 | Accidental Release Measures | <ul style="list-style-type: none"> • Contain the spill and take up with an absorbent material. Place in a clean, dry container for later disposal. Wash hands and affected clothing. |

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| 7 | Handling and Storage | <ul style="list-style-type: none"> • Avoid accidental self-injection • May be stored in refrigerator • Do not freeze |
| 8 | Exposure Controls/Personal Protection | <ul style="list-style-type: none"> • Respiratory Protection: none required • Ventilation – local exhaust • Gloves- recommended against accidental injections or punctures. • Eye protection- safety goggles with side shields |
| 9 | Physical and Chemical Properties | <ul style="list-style-type: none"> • Creamy yellow in colour with a white gel like appearance that settles over time. • Slight pungent odour. • pH – 6.5 to 7.5 • Melting point/freezing point- unknown • Initial boiling point/boiling range -unknown • Flash point- unknown • Evaporation Rate -unknown • Flammability (solid; gas)- non-flammable • Vapour pressure- unknown • Vapour density - unknown • Relative density- unknown • Solubility- miscible in water • Viscosity- unknown |
| 10 | Stability and Reactivity | <ul style="list-style-type: none"> • Stable • Possibility of hazardous reactions- none reported • Conditions to avoid – non- reported • Incompatible materials - non- reported • Hazardous decomposition Products- non-reported |
| 11 | Toxicological Information | <ul style="list-style-type: none"> • The most likely route of exposure is by accidental injection. • Formaldehyde and Thimerosal concentrations are below toxic levels to humans. • Bi-products of fermentation such as endotoxin, may be present and cause reactions in susceptible individuals. |
| 12 | Ecological Information | <ul style="list-style-type: none"> • No ecological effect known |
| 13 | Disposal Considerations | <ul style="list-style-type: none"> • Comply with all applicable federal, provincial and local regulations, concerning spill reporting, waste handling, and waste disposal. |

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| 14 | Transportation Information | <ul style="list-style-type: none">Special precautions- product should be maintained at 2 to 8° C to maintain quality. |
| 15 | Regulatory Information | An autogenous biologic is intended for use under the supervision of a licensed veterinarian. |
| 16 | Other Information | Recent Revision: April 18, 2016 |

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