



Safety Data Sheet

Autogenous Bacterins Containing Vegetable (Water-in-Oil) Based Adjuvant

SDS Section	SDS Heading	Specific Information Elements
1	Identification	<ul style="list-style-type: none"> • Sterile Biologic containing inactivated, bacterial culture(s) and vegetable oil and aluminum hydroxide adjuvant or only vegetable oil adjuvant. May contain a chemical inactivating agent and/or preservative, • Autogenous Bacterin • 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 Email: gallant-info@ceva.com • Alternate emergency telephone number : 519 277-1591
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 • Discard used needles in appropriate containers.
3	Composition/Information On Ingredients	<ul style="list-style-type: none"> • Product contains inactivated bacterial cells and fermentation biproducts . • 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%v/v Sodium Ethylmercurithiosalicylate <ul style="list-style-type: none"> • Also known as Thimerosal

		<ul style="list-style-type: none"> • Thimerosal is very toxic by inhalation, skin contact and if swallowed. • CAS registry number 54-64-8 • Concentration is 1:10,000 <p>Oil Adjuvant</p> <ul style="list-style-type: none"> • Also known as Montanide ISA 763 A VG • A mixture containing Anhydro mannitol ether octodecenoate, water, emulsifying agents, and formaldehyde. • Concentration 50 to 70% by weight.
4	First-aid Measures	<ul style="list-style-type: none"> • First-aid measures by route of exposure: <ul style="list-style-type: none"> • Injection- Seek medical attention immediately. May cause strong pain and oedema, particularly in case of injection in a joint or a finger. Accidental injection or self-injection can, in rare cases, lead to amputation of the finger if no medical attention is quickly done. Seek medical care from a specialist. The area of injection may need to be incised and drained rapidly, in particularly if the pulp or tendon of a finger is affected. 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. Get medical attention if symptoms occur. • 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- do not induce vomiting unless instructed. • 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- dry Chemical • Specific hazards arising from the hazardous product - none • Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
6	Accidental Release Measures	<ul style="list-style-type: none"> • Contain the spill and take up with an absorbent, inert material. Place in a clean, dry container for later disposal. Wash hands and affected clothing. Wash

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		<p>area with degreaser, to remove any remaining oil residue.</p> <ul style="list-style-type: none"> • Avoid dispersal of spilled material and runoff, contact with soil, waterways, drains, and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
7	Handling and Storage	<ul style="list-style-type: none"> • Avoid accidental self-injection • May be stored in refrigerator • Wash hands after handling • Do not freeze • Re-homogenize before use
8	Exposure Controls/Personal Protection	<ul style="list-style-type: none"> • Respiratory Protection: none required • Ventilation – local exhaust • Impermeable 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"> • Milky white in colour with slight sediment • Slight pungent odour • pH – 6.5 to 7.5 • Melting point/freezing point- unknown • Initial boiling point/boiling range ->100°C • Flash point- >100°C [NFT 60 103] • Evaporation Rate -unknown • Flammability (solid; gas)- none available • Vapour pressure- unknown • Vapour density - unknown • Relative density- unknown • Solubility- dispersible in cold water • Viscosity- unknown
10	Stability and Reactivity	<ul style="list-style-type: none"> • Stable • Keep away from oxidizing agents. • Possibility of hazardous reactions- hazardous reactions or instability may occur under certain conditions of storage or use. • 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. Any oil injected must be removed-consult a physician. • Formaldehyde and Thimerosal concentrations are below toxic levels to humans.
12	Ecological Information	<ul style="list-style-type: none"> • No ecological effect known

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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.
14	Transportation Information	<ul style="list-style-type: none">• Special precautions- product should be maintained at 2 to 7° 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 Version: January 28, 2021