


Vac Check Marker Dye[®]

Section 1: Identification of the Substance and Supplier

Product name:	Vac Check Marker Dye
Other name:	Marek's vaccine dye
ACVM Registration:	Exempt
Recommended use:	Poultry vaccine Marker Dye for monitoring sub cutaneous vaccination of Marek's Disease Vaccine
Company details:	Pacificvet Limited
Address:	3 Hickory Place Hornby 8042 Christchurch New Zealand
Telephone number:	+64 3 349 8438 (business hours 8:30 am to 5:00 pm)
Emergency telephone:	Pacificvet Limited: 0508 388 388 National Poisons Centre: 0800 764 766 (0800 POISON)
Date of Preparation:	26th September 2018

Section 2: Hazard Identification

Hazard classifications:	HSNO Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017 HSNO Approval: HSR002503 6.3B Skin irritant 6.5A Respiratory Sensitiser Not a Dangerous Good according to IATA of NZTA. Hazchem code: 1Y (recommended)
Pictograms:	
Signal words:	Danger
Hazard statements:	H316 Causes mild skin irritation H334 May cause allergy or asthma symptoms or breathing difficulties if ingested

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Section 2: Hazard Identification (continued)

Precautionary statements:	<p>P102 Keep out of the reach of children</p> <p>P103 Read label before use</p> <p>P280 Wear protective gloves, eye protection, face protection and protective clothing</p>
Prevention statements:	<p>P102 Keep out of the reach of children</p> <p>P103 Read label before use</p> <p>P281 Use personal protective equipment as required</p> <p>P285 In the case of inadequate ventilation wear respiratory protection</p>
Response statements:	<p>P304 + P341, P342 + P311 IF INHALED: If breath is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.</p> <p>P332 + P313 If skin irritation occurs: Get medical advice/attention.</p>
Storage statements:	<p>P102 Keep out of the reach of Children.</p> <p>This substance does not require an approved handler.</p>
Disposal statements:	<p>P501 Product must be disposed of through an appropriate hazardous waste company. Containers may be recycled if they are clean and free of any harmful residue.</p>

Section 3: Composition

Substance characterisation:	Blue/Green Liquid		
Product components:	Name	CAS	Proportion
	Tryptose Phosphate Broth	91079-40-2	<5%
	FD&C Yellow No. 5 Food Dye	1934-21-0	5%
	FD&C Blue No. 1 Food Dye	3844-45-9	5%
	Water	7723-18-5	<90%
	*This is a commercial product and the exact ratio of components may vary.		

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Section 4: First Aid Measures	
General:	For advice contact the National Poisons Centre on 0800 POISON (08000 764 766) or a doctor if you feel that you may have been harmed by this product.
Personal precautions protective equipment:	Wear suitable protective clothing such as overalls, gloves, safety glasses and to avoid contact with skin and eyes, when mixing product.
Inhalation:	Reactions in sensitive individuals could occur shortly after exposure to the product and are characterised by difficulty in breathing. The person affected by the product should be moved into the open fresh air and kept at rest in a position comfortable for breathing. Immediate medical attention should be sought if breathing difficulty continues. If medical advice is needed, have this SDS at hand.
Ingestion:	If product is swallowed do NOT induce vomiting, wash mouth with water and give plenty of water to drink. Seek immediate medical advice. If medical advice is needed, have this SDS at hand.
Self-Injection:	In the case of accidental injection, treat the wound as a contaminated puncture wound. Bleeding if present from the puncture wound should be encouraged as an aid to draw vaccine out, gently squeeze the wound with an absorbent tissue for a minute. Then wash the wound site with warm water and dry before applying a sterile dressing. Seek medical advice, particularly if the wound site swells or discomfort suggests tissue damage to any part of the hand (or body). Bacterial contamination of the wound site and Tetanus infections are possible risks following accidental needle stick injuries.
Skin Contact:	Wash product off the skin and flush with lukewarm gently flowing water until product is dislodged. Then wash with soap and water to remove any final traces of the product.
Eye Contact:	If product gets into the eye, keep the eye lid open and rinse immediately with large quantities of lukewarm gently flowing water for 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 5 minutes to remove product. If eye irritation persists: Get medical advice/ attention.
Most important symptoms and effects, acute and delayed from exposure and medical attention required	
Inhalation:	Product can be a potential respiratory irritant and may trigger Asthma symptoms or breathing difficulties in sensitive individuals following ingestion. Any respiratory reaction of difficulty in breathing that cannot quickly be resolved after moving to fresh air requires prompt medical attention.
Ingestion:	Product is not considered an irritant to digestive tract tissue.
Skin Contact:	Product can be an irritant to the skin. Seek medical advice should a skin rash or contact dermatitis develop. Take this SDS with you.
Eye Contact:	Product can be a potential irritant to the eyes. Should discomfort and irritation of eye persist after flushing with water to clear the product seek medical attention. Take this SDS with you.
Most important symptoms and effects, acute and delayed from exposure and medical attention required (cont)	
Advice to Doctor:	<p>There is no specific antidote. Treat symptomatically.</p> <p>Oral Ingestion: Product is not considered toxic and is non-irritant to digestive tract tissue.</p> <p>Inhalation: Ingestion of the product may cause Asthma type symptoms of breathing difficulties in sensitive individuals.</p> <p>Skin Contact: Product is an irritant to the skin.</p> <p>Eye Contact: Potential for eye irritation.</p> <p>Accidental Self-injection: Wounds should be treated as contaminated puncture wounds.</p> <p>FD&C Yellow No. 5 Food Dye: 6.5A evidence of Allergic Asthma in sensitive individuals</p> <p>FD&C Blue No. 1 Food Dye: 6.3B skin irritant.</p>

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Section 5: Fire Fighting Measures

Type of hazard:	Not readily combustible. In combustion may emit toxic fumes.
Extinguishing media and methods:	Use extinguishing media suitable to burning materials such as water, foam, dry agent (CO ₂), sand or dolomite.
HAZCHEM code	1Y (recommended)
Special protective equipment and Precautions	Wear self-contained breathing apparatus.

Section 6: Spillage and Accidental Release Measures

Personal precautions, protective equipment:	Wear personal protection equipment of overalls, gloves and safety glasses to prevent skin and eye contact.
Environmental Precautions:	Treat the recovered material as toxic and dispose through appropriate means. Do not allow to enter into the surface water or drains.
Containment and Clean up	Absorb product spill with paper towels or rags prior to collecting in an appropriate container for disposal in garbage. Clear contaminated area thoroughly of product residue by wet mopping.
Emergency Response:	Does not trigger thresholds.

Section 7: Handling and Storage

Precautions for safe handling:	Read product label instructions prior to use. Protective clothing such as overalls, gloves and safety glasses/goggles to prevent contact with the product is recommended.
Regulatory requirements:	Keep out of the reach of children. For animal treatment only. Read label before use.
Handling practices:	All work processes must be undertaken so as to avoid contact with the product. Wear personal protective equipment (PPE). After mixing of the product remove protective clothing and wash hands before eating, drinking, chewing gum or using tobacco.
Approved handlers:	Not applicable
Conditions for safe storage:	KEEP OUT OF THE REACH OF CHILDREN. Store in the original container at room temperature 15 to 30°C. Use all product once opened.
Store site requirements:	Not subject to a Hazardous Substances Emergency Response Plan.
Packaging:	Store only in original packaging with lid sealed. Once seal is broken use all of the product.
Specific end use:	Only to be used according to the directions on the label.

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Section 8: Exposure Controls/Personal Protection



Workplace Exposure Standards:	A workplace exposure standard (WES) has not been established by WorkSafe New Zealand for this product.
Engineering Controls:	Exposure can be reduced by use of personal protective equipment and increasing the ventilation.
Personal Protective Equipment:	Guidance from AS/NZS 1716 Occupational Respiratory Protection, AS/NZS 4501 Occupational Protective Clothing, AS/NZS 2161 Occupational Protective Gloves, AS/ NZS 1336 Occupational Eye Protection and AS/NZS 2210 Occupational Protective Footwear is recommended.
Eye/Face Protection:	Wear suitable goggles to prevent product from entering eyes.
Skin Protection:	Suitable overalls and gloves are to be worn. Single-use gloves of natural rubber or natural latex may be used. Overalls must be washed prior to reuse.
Respiratory Protection:	Not generally required as the product is a liquid and does not give off any vapour.
General Hygiene:	After mixing the product remove protective clothing and wash hands before eating, drinking, chewing gum or using tobacco.

Section 9: Physical and Chemical Properties

Appearance:	Blue/Green Liquid
Odour:	No distinct odour
Odour threshold:	Does not apply
pH:	No data
Freezing/ Melting Point:	No data
Boiling Point:	100°C
Flash Point:	No data
Flammability:	No data
Explosive limits:	Does not apply
Fire Hazard Properties:	Does not readily burn
Vapour pressure:	Does not apply
Vapour density:	Does not apply
Specific gravity or density:	No data
Solubility:	100% in water
Partition coefficient:	Does not apply
Auto-ignition temperature:	Does not apply
Decomposition temperature:	Does not apply
Kinematic viscosity:	Does not apply
Particle characteristics:	No data

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Section 10: Stability and Reactivity

Reactivity:	Unlikely to react or decompose under normal storage.
Stability:	Stable stored under normal conditions.
Conditions to avoid:	Do not freeze product.
Incompatible materials:	Not applicable
Hazardous Decomposition Materials:	No data.
Hazard Reactions:	Product will not auto-polymerize.

Section 11: Toxicological Information

Toxicological Information:	<p>No data available for product.</p> <p>Component ingredients have recorded:</p> <p>FD&C Yellow No. 5 Food Dye: Evidence of Allergic Asthma in asthmatics and people with aspirin intolerance Source: NLM TOXNET database</p> <p>FD&C Blue No. 1 Food Dye: Evidence of Skin Irritation 6.3B, recorded as 6.4A eye irritation when in higher concentrations than present in the product Vac Check. Source: New Zealand EPA CCID data.</p>
Acute toxicity via Oral:	Based on available data the product is not classified when considering the component ingredients and there is no actual data for the product.
Acute toxicity via Dermal:	Based on available data for the product components it is considered the classification criteria is not met, there is no actual data for the product.
Acute toxicity via Inhalation:	Based on available data the product is not classified when considering the component ingredients, there is no actual data for the product.
Skin Corrosivity / Skin Irritation	No data available for product. Based on available data the product is classified as a skin irritant 6.3B when considering the component ingredients as the FD&C Blue No. 1 Food Dye is classified a skin irritant.
Eye Corrosivity / Eye Irritation	No data available for product. Based on available data the product is not classified as an eye irritant, but there is potential for eye irritation.
Respiratory or Skin Sensitisation:	Ingestion of the component FD&C Yellow No. 5 Food Dye is linked to Allergic Asthma. No components are classified as skin sensitizers.
Germ Cell Mutagenicity:	No data available for product. Components are not classified as cell mutagens.
Carcinogenicity:	No data available for product. No component is classified as a Carcinogen.
Reproductive Toxicity:	No data available for product. No component is suspected of being a human reproductive toxicant.
Specific Target Organ Toxicity – single exposure:	Not classified as causing specific organ damage from single exposure.
Specific Target Organ Toxicity – repeated exposure:	Not classified as causing specific organ damage from repeated exposure.
Aspiration Hazard:	Not classified as causing an aspiration hazard.

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Section 11: Toxicological Information (continued)

Skin Contact short term exposure:	Available data indicates product could be irritating to skin. Symptoms include redness, skin burning sensation and a rash.
Skin Contact long term exposure:	Product has potential for contact sensitisation which could result in contact dermatitis.
Eye Contact short term exposure:	Product could cause eye irritation, symptoms of discomfort usually resolve when the product is promptly removed by washing with gently flowing lukewarm water.
Eye Contact long term exposure:	No data for product has been recorded.
Ingestion effects:	Product is not considered irritating to the digestive tract. Swallowing small amounts should not be harmful.
Respiratory sensitisation short term exposure:	No data for product. Respiratory reactions have been noted following oral ingestion of the component food dye ingredients. The liquid form of product means there is no risk of inhalation of the product.
Respiratory sensitisation long term exposure:	No data recorded for repeat exposure health effects.
Aspiration hazard exposure effect:	No data linking the product as an aspiration hazard.
Specific Target Organ Toxicity effect:	No data linking product as a specific toxicant to any organs of the body.

Section 12: Ecological Information

Toxicity to aquatic and terrestrial plants and animals:	<p>No data available for product Aquatic toxicity:</p> <p>FD&C Yellow No. 5 Food Dye CAS No. 1934-21-0</p> <p>Acute fish toxicity LC₅₀ >120 mg/L 96 hours species not specified, source ECHA</p> <p>Acute crustacea toxicity EC₅₀ >120 mg/L 48 hours species <i>Daphnia magna</i>, source ECHA</p> <p>FD&C Blue No. 1 Food Dye CAS No. 3844-45-9</p> <p>Acute fish toxicity LC₅₀ >100 mg/L 96 hours species not specified source ECHA</p> <p>Acute crustacea toxicity EC₅₀ ≥100 mg/L 48 hours species <i>Daphnia magna</i>, source ECHA</p>
Persistence and degradability:	Accidental releases of the product at recommended mixed concentration into waste water and sewage treatment facilities will not disturb the biodegradability of activated sludge.
Bioaccumulation potential:	No indication of bio-accumulation potential.
Mobility in soil:	No data available.
Ecotoxicity Hazard Statements:	Product does not trigger the hazard threshold for Ecotoxicity in the Aquatic environment, Soil environment and is not a hazard for Terrestrial Vertebrates or Terrestrial Invertebrates.

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Section 13: Disposal Considerations

Disposal method:	Preferably dispose of the product by use. Unused product must be disposed of through an appropriate hazardous waste company. Containers may be recycled if they are clean and free of any residue.
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Section 14: Transport Information

UN Number:	This product is not classified as a Dangerous Good by the NZTA or IATA.
HAZCHEM Code:	1Y (recommended)
Special Precautions for transport:	Transport in original packaging with lid sealed.

Section 15: Regulatory Information

ERMA Register Approval Number:	Not applicable
HSNO Controls:	Approval HSR002503: Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2017
Approved Handlers Certificate:	Not required
Workplace Exposure Standards (WES):	Not applicable
ACVM controls:	Exempt from ACVM Registration
Health and Safety at Work (Hazardous Substances) Regulations 2017	Not subject to a Hazardous Substances Emergency Response Plan.

Section 16: Other Information

Additional Information:	This product is to be used only in accordance with the directions provided on the product label.	
Warning:	<p>The information provided in this Safety Data Sheet is based on current knowledge of the Health and Safety Hazard of the product detailed in this SDS.</p> <p>While all information supplied in this SDS is believed to be accurate this does not constitute a warranty by Pacificvet Limited for the information. The company disclaims any liability resulting from the use of this information.</p> <p>The product user is responsible for the appropriate and intended handling, use and disposal of the product.</p> <p>If clarification or further information is need to ensure that an appropriate risk assessment can be made prior to use of the product in the workplace, the user should contact Pacificvet Limited.</p> <p>The information contained in this SDS is only safety related information, for all other product information please refer to the product label.</p>	
Version issued:	25th September 2018 and is valid for 5 years from this date.	
Revision history:	Date of Revision	Reason