SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER	
Product name:	DILIGENT Extra Spray-On
Pack Size:	1L, 2.5L, 5L, 10L, 20L
ACVM Approval No:	A012034
Recommended use:	Sheep Blowfly Treatment
Company name:	Alleva Animal Health Limited
Address:	1/116a Harris Road, East Tamaki, Auckland, 2013, New Zealand
Telephone:	0064-9-4181405
Emergency telephone number:	National Poisons Centre: 0800 764 766 (0800 POISON) Fire Service, Ambulance: Dial 111
Restrictions of Use	Refer to Section 15
Date of SDS Preparation	11 August 2025 – v1

SECTION 2: HAZARDS IDENTIFICATION

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Veterinary Medicines (Non-dispersive Open System Application) – HSR100759

Pictograms

Signal Word: Warning

GHS Classification and Category	Hazard Code	Hazard Statement
Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment chronic Cat. 3	H412	Harmful to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P103	Read carefully and follow all instructions.
P260	Do not breathe fumes, vapours or spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective clothing as detailed in SDS Section 8.

Response Code	Response Statement
P314	Get medical advice/attention if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

Storage Code	Storage Statement
None Allocated	

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

SECTION 3: COMPOSITION

Ingredients	CAS	Proportion % (w/w)
Propane-1,2-diol	57-55-6	≥10 - ≤30
Dicyclanil	112636-83-6	<10
Propylparaben	94-13-3	<1
Methylparaben	99-76-3	<0.3

SECTION 4: FIRST AID MEASURES

Necessary first aid measures:	**Skin Contact:** Take off contaminated clothing and wash before reuse. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. **Eye Contact:** In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Seek medical attention if needed. **Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Call a POISON CENTER or doctor/physician if you feel unwell. **Inhaled:** Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully

	recovered. Get medical advice if breathing becomes difficult or if you feel unwell.
Most important symptoms and effects, both acute and delayed	Symptoms: May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.
Notes to Doctor	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

SECTION 5: FIRE FIGHTING MEASURES	
Type of hazard:	Non-flammable, Non-combustible
Fire hazard properties:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Extinguishing media and methods:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Recommended protective clothing:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazchem code:	**None allocated**

SECTION 6: ACCIDENTAL RELEASE MEASURES	
Personal Precautions:	Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Procedure for Spills:	Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Procedure for Disposal:	For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:	• Read carefully and follow all instructions. • Do not breathe fumes, vapours or spray. • Contaminated work clothing should not be allowed out of the workplace. • Avoid release to the environment. • Wear protective clothing as detailed in SDS Section 8. • Avoid contact with skin and eyes. • Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. • Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Conditions for safe storage:	• Keep out of reach of children. • Store between the following temperatures: 2 to 30°C. • Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. • Keep container tightly closed and sealed until ready for use. • Containers that have been opened must be carefully resealed and kept upright to prevent leakage. • Do not store in unlabelled containers. • Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA ppm	TWA mg/m³	STEL ppm	STEL mg/m³
Propane-1,2-diol, Vapour and particulates	[57-55-6]	150	474	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14TH EDITION.

Engineering controls:	If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Personal protection:	**Respiratory protection:** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used

	according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. **Hand protection:** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. **Eye protection:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Work Hygiene Practices	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid. [Suspension]
Colour	Pink
Odour	Not available
Odour Threshold	Not available
pH	5.5 to 7.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Closed cup: >100°C
Flammability	Not available

Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Solubility in water	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Molecular Weight	Not available
Octanol Water Coefficient	Not available

SECTION 10: STABILITY AND REACTIVITY

Stability of the substance:	Product is stable under normal conditions of use, storage and temperature.
Conditions to avoid:	No data available.
Material to avoid:	No data available.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

Swallowed **Dermal** **Inhalation** **Eye** **Skin**	Not applicable. Not applicable. Not applicable. Not applicable. May cause an allergic skin reaction.
Reproductive **Systemic**	Not applicable.
Carcinogenicity	Not applicable.
Aspiration	Not applicable.
Germ Cell Mutagenicity	Not applicable.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

Acute Toxicity:

Product/ingredient	Result	Species	Dose	Exposure
propane-1,2-diol	LD50 Dermal	Rabbit	20800 mg/kg	- - 4 hours
Dicyclanil	LD50 Oral	Rat	20 g/kg	-
Methylparaben	LC50 Inhalation Vapour	Rat	3184mg/m^3	-
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat Rat	520 mg/kg	
	LD50 Oral		2100 mg/kg	

SECTION 12: ENVIRONMENTAL INFORMATION

Hazardous to terrestrial vertebrates.

Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Product/ingredient name	Result	Species	Exposure
propane-1,2-diol	EC50 19000 mg/l	Aquatic plants	72 hours
	EC50 34400 mg/l	Daphnia	48 hours
	Acute LC50 1020000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 710000 µg/l Fresh water	Fish - Pimephales promelas	96 hours
5-Pyrimidinecarbonitrile, 4,6-diamino-2-(cyclopropylamino)-	EC50 1.1 mg/l	Daphnia	48 hours
	LC50 60 mg/l	Fish	96 hours
	NOEC 9.6 mg/l	Algae	72 hours
	NOEC 0.006 mg/l	Daphnia	21 days
propyl 4-hydroxybenzoate	Acute EC50 7 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
methyl 4-hydroxybenzoate	EC50 91 mg/l	Algae - Pseudokirchneriella subcapitata	72 hours
	LC50 59.5 mg/l	Fish - Oryzias latipes	96 hours
	NOEC 0.2 mg/l	Daphnia - Daphnia magna	21 days
	Acute EC50 11.2 mg/l Fresh water	Daphnia - Daphnia magna	48 hours

Do not allow to enter waterways or sewerage.

SECTION 13: DISPOSAL CONSIDERATIONS

Product disposal:	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Precautions:	Do not allow to enter waterways.

SECTION 14: TRANSPORT INFORMATION

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021

SECTION 15: REGULATORY INFORMATION

Regulatory status:	**Veterinary Medicines (Non-dispersive Open System Application) – HSR100759**

HSW (HS) Regulations 2017	**Trigger Quantity**
Signage Trigger Quantities	1000L
Emergency Response Plan	1000L
Secondary Containment	1000L
Tracking	Not required
Certified Handlers	Not required
Location Certificate	Not required
ACVM Act and Regulations	
ACVM Approval No See www.foodsafety.govt.nz for registration controls	A012034

SECTION 16: OTHER INFORMATION

Glossary

CAT Category
EC50 Median effective concentration.
EEL Environmental Exposure Limit.
EPA Environmental Protection Authority
HSNO Hazardous Substances and New Organisms.
HSW Health and Safety at Work.
LC50 Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD50 Lethal dose to kill 50% of test animals/organisms.
LEL Lower explosive level.
OSHA American Occupational Safety and Health Administration.
TEL Tolerable Exposure Limit.
TLV Threshold Limit Value-an exposure limit set by responsible authority.
UEL Upper Explosive Level
WES Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices FEB

2025 15th edition.

3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. ALLEVA Animal Health Limited makes no warranty with respect hereto and disclaims all liability from reliance thereon.

Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including
in conjunction with other products.
PLEASE READ ALL LABELS CAREFULLY BEFORE USING PRODUCT.

Issued Date: 11 August 2025 Review Date: 11 August 2030