



**Product Name:** CLiK<sup>®</sup> Spray-on Sheep Blowfly Treatment  
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## MATERIAL SAFETY DATA SHEET

### Section 1 - Identification of Chemical Product and Company

#### COMPANY DETAILS:

**Novartis Animal Health Australasia Pty Limited**  
**A.C.N. 076 745 198**  
**54 Waterloo Road**  
**North Ryde NSW 2113**

**Phone: (02) 9805 3555**  
**Fax: (02) 9888 8387**

**Product Name:** CLiK<sup>®</sup> Spray-on Sheep Blowfly Treatment  
**Active Ingredients:** Dicyclanil  
**Ciba-Geigy Code :** CGA 183893  
**Product Use:** For the protection of sheep, either off-shears or with any length wool, against fly strike (*Lucilia cuprina*) for 18 to 24 weeks. For the protection of mulesing and marking wounds on sheep against fly strike (*Lucilia cuprina*) during the wound healing process.  
**Creation Date:** July 2003  
**Revision Date:** July 2008

### Section 2 Hazards Identification

**Hazard classification:** WHO Hazard class III  
Non-Dangerous Goods  
**Environmental hazard (spillage/accident):** Harmful to aquatic organisms  
**Safety Phrases:** May irritate the eyes and skin. Avoid contact with eyes and skin.  
**SUSDP Classification:** Exempt  
**UN Number:** None Allocated

### Section 3 Composition / Information on Ingredients

Ingredients	CAS No.	Content (%w/v)
Dicyclanil	[112636-83-6]	5
Butylhydroxytoluene	[128-37-0]	<0.1
Acrylates	-	<0.1
Sodium hydroxide	[1310-73-2]	<1
Other ingredients determined not to be hazardous	-	to 100

This is a commercial product whose exact ratio of components may vary slightly.

### Section 4 First Aid Measures

**Label regulated First Aid Statement:** If poisoning is suspected, immediately contact a Doctor or **Poisons Information Centre (Phone 131126)**.  
**General:** Remove the victim from contaminated area.  
Remove soiled or soaked clothing immediately. Tell the person contacted the complete product name, and the type and amount of exposure. Describe any symptoms and follow the advice given.  
**Scheduled poisons :** Product is not scheduled.  
**Inhalation:** Move affected person to fresh air and keep at rest until recovered.  
**Skin Contact:** Remove contaminated clothing and wash affected areas thoroughly with

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<b>Eye contact:</b>	soap and water. Flush with large quantities of fresh tap water for several minutes. Seek medical advice if eye irritation persists.
<b>Ingestion:</b>	If swallowed contact a Doctor or Poisons Information Centre (Ph.131126).
<b>Advice to doctor:</b>	No specific antidote is available. If poisoning is suspected, apply symptomatic therapy.

**Section 5 Fire Fighting Measures**

<b>Extinguishing Media:</b>	Dry chemical extinguisher, foam, carbon dioxide or water spray (do not use direct jet of water).
<b>Fire and explosion hazards:</b>	This product is non-flammable, non-explosive and non-combustible.
<b>Fire Fighting:</b>	Fight fire in the early stages if safe to do so. Wear respiratory protection to protect from fumes. Contain fire-fighting water. Do not allow the fire- water to enter drains.

**Section 6 Accidental Release Measures**

<b>Accidental Release:</b>	In case of spillage it is important to take all steps necessary to avoid contamination of waterways and avoid eye and skin contact. <b><i>Procedure for spill</i></b> Keep all bystanders away. Wear full length clothing and PVC gloves. Reposition any leaking containers so as to minimise further leakage. Dam and absorb spill with an absorbent material (e.g. sand or soil). Shovel the absorbed spill into drums and top with soil. Dispose of by burying in an approved secure landfill site. Do not eat, drink or smoke during the clean-up operation.
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**Section 7 Handling and Storage**

<b>Safe Handling:</b>	May irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and using the product wear elbow length rubber gloves. Wash hands after use.
<b>Storage:</b>	Keep out of reach of children. Store below 30°C (Room temperature). Protect from frost. Store in original container tightly closed in a dry, cool place. Do not store in direct sunlight. Do not re-use the container.

**Section 8 Exposure Controls / Personal Protection**

<b>Exposure Limits:</b>	No exposure standards TWA and STEL been set for Dicyclanil. NOHSC exposure standards for butylated hydroxytoluene (10 mg/m <sup>3</sup> TWA) and sodium hydroxide (2 mg/m <sup>3</sup> TWA) should not be exceeded. <u>Exposure Potential:</u> Swallowing and inhalation is unlikely under normal conditions of usage. Significant skin uptake does not occur.
<b>Ventilation:</b>	No special engineering controls required. Product is used outdoors.
<b>Eye Protection:</b>	Avoid contact with eyes.
<b>Skin protection:</b>	Avoid contact with skin. When opening the container and using the product wear elbow-length butyl rubber gloves.
<b>Protective material types:</b>	When using product wear elbow-length butyl rubber gloves. .
<b>General advice:</b>	Wash hands thoroughly after using the product.

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### Section 9 - Physical and Chemical Properties

<b>Physical State:</b>	Liquid emulsion
<b>Colour:</b>	Pink
<b>Corrosiveness:</b>	Non-corrosive
<b>Flammability:</b>	Non-flammable
<b>Viscosity 25°C</b>	Max. 400 mPas
<b>Specific gravity (20°C)</b>	1.01-1.03g/ml
<b>Flash point (closed cup)</b>	>61°C

### Section 10 - Stability and Reactivity

<b>Chemical Stability:</b>	Product is stable under normal conditions of use.
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### Section 11 - Toxicological Information

<b>Acute Toxicity :</b>	This product is unlikely to present a hazard during normal use.
Oral:	<b>Low Toxicity.</b> Tests on rats using a similar formulation LD <sub>50</sub> > 5000 mg/kg. (Rat oral LD <sub>50</sub> technical Dicyclanil = 520 mg/kg)
Dermal:	<b>Low Toxicity.</b> Tests on rats using a similar formulation indicate a low toxicity due to skin contact LD <sub>50</sub> > 5000 mg/kg. (Rat dermal LD <sub>50</sub> technical Dicyclanil > 2000 mg/kg)
Inhalation:	<b>Low Toxicity.</b> Tests on rats using Dicyclanil technical indicate a low toxicity due to inhalation of the undiluted product. (Rat LD <sub>50</sub> [4h] 3184 mg/m <sup>3</sup> technical Dicyclanil)
<b>Local Effects:</b>	
<u>Irritation</u> -	
Eye:	<b>Slight irritant</b> (Based on studies using similar formulation on Rabbits)
Skin:	<b>Slight irritant</b> (Based on studies using similar formulation on Rabbits)
<u>Sensitisation</u> -	
Skin:	<b>Non-sensitiser</b> (Based on studies using similar formulation on Guinea pigs)
<b>Chronic Toxicity:</b>	Dicyclanil technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, carcinogenic, teratogenic or reproductive effects was obtained.

### Section 12 - Ecological Information

Ecological data derived from the active ingredient, Dicyclanil

**Dicyclanil technical** is slightly toxic to fish LC<sub>50</sub> Trout 60mg/L and crustacea 48h EC<sub>50</sub> 8.3 mg/L

### Section 13 - Disposal Considerations

<b>After intended use:</b>	The container can be recycled if it is clean, dry, free of visible residues and has the <i>drumMUSTER</i> logo visible. Triple or pressure rinse container for disposal. Dispose of rinsate or any undiluted chemical according to State legislative requirements. Wash outside of the container and the cap. Store cleaned container in a sheltered place with
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cap removed. It will then be acceptable for recycling at any *drumMuster* collection or similar container management program site. The cap should not be replaced but may be taken separately.  
DO NOT burn empty containers or product.

### Section 14 - Transport Information

**UN Number:** None allocated  
**UN proper shipping name:** None allocated  
**Class & Subsidiary Risk :** None allocated  
**Packaging Group:** None allocated  
**HAZCHEM Code:** None allocated

### Section 15 - Regulatory Information

**Australia:** Product is registered for use with Australian Pesticides Veterinary Medicines Authority

### Section 16 - Other Information

**This MSDS contains only safety-related information. For other data see product literature.**

#### Acronyms

**CAS Number:** Chemical Abstracts Service Registry Number  
**Hazchem Number:** Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters  
**NOHSC:** National Occupational Health and Safety Commission  
**STEL:** Short-term Exposure Limit  
**SUSDP:** Standard for the Uniform Scheduling of Drugs & Poisons  
**TWA:** Time Weighted Average  
**UN Number:** United Nations Number

#### Note:

This product is a registered veterinary chemical and must therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Federal health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

This Material 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. Each user should read this MSDS 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.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

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