

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND SUPPLIER**

<b>Product name:</b>	<b>TRIUMPH LIQUID</b>
<b>Product code:</b>	A010104
<b>Recommended use:</b>	Anthelmintic product for horses
<b>Company details:</b>	Boehringer Ingelheim Animal Health New Zealand Limited
<b>Address:</b>	Level 3, Boehringer Ingelheim Building 2 Osterley Way Manukau City Auckland 2104 New Zealand
<b>Telephone number:</b>	Phone: +64 9 263 1400
<b>Emergency telephone number:</b>	Boehringer Ingelheim Freephone: 0800 800 822 National Poisons Centre : 0800 764 766 (0800 POISON) Fire Service, Ambulance : Dial 111
<b>Date of issue:</b>	October 2008
<b>Date of review:</b>	7 February 2020

**SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical characterization:** Liquid

**Product components:**

<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
Ivermectin	70288-86-7	4 g/L
Oxibendazole	20559-55-1	200 g/L
Praziquantel	55268-74-1	50 g/L
Benzenemethanol	100-51-6	1-10%
Aniseed Oils	8007-70-3	<1%
Other		to 100%

**SECTION 3: HAZARDS IDENTIFICATION**

<b>Hazard classifications:</b>	6.1E, 6.4A, 6.5B, 6.8C, 9.1A, 9.2C, 9.4A
<b>Priority and secondary identifiers:</b>	WARNING Keep out of Reach of Children WARNING Dangerous to the environment
<b>Risk and safety phrases:</b>	6.1E May be harmful if swallowed. Wash hands and exposed skin before meals and after use. 6.4A May cause eye irritation. Avoid eye contact. 6.5B Repeated exposure may cause skin allergy. Avoid skin contact. 6.8C Ivermectin may possibly have effects on or via lactation. Handle with care. 9.1A Very toxic to aquatic organisms. Avoid contamination of any water supply with product or empty container. 9.2C Harmful to the soil environment. Avoid release to the environment. 9.4A Very toxic to terrestrial invertebrates. Avoid release to the environment.

# SAFETY DATA SHEET

Product Name: Triumph Liquid

Page 2 of 5  
Reviewed on: 7 February 2020

## SECTION 4: FIRST AID MEASURES

### Necessary first aid measures:

For advice, contact the National Poisons Centre on 0800 POISON (0800 764 766), or a doctor immediately.

Ingestion: If swallowed, seek medical attention. Do NOT induce vomiting.

Eyes: If splashed in eyes, wash out immediately with water.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation: Remove to fresh air.

### Workplace facilities:

No special facilities required.

### Required instructions:

Observe good work practices and avoid skin contact. Wash hands and exposed skin before meals and after use. Do not eat or drink while using. Launder protective clothing separately from other clothing, and before each reuse.

### Notes for medical personnel:

Apply symptomatic therapy (no specific antidote). Note the nature of the product (possible irritant, reproductive/developmental toxin and sensitiser).

## SECTION 5: FIRE FIGHTING MEASURES

### Type of hazard:

Non flammable, Non combustible, Non explosive

### Fire hazard properties:

The product is not classified as flammable, and will not support combustion. Hazardous fumes when heated to decomposition.

### Regulatory requirements:

Not applicable

### Extinguishing media and methods:

Treat the fire as for the other materials present. Do not allow water to enter drains.

### Hazchem code:

2X

### Recommended protective clothing:

When fighting a major fire wear full protective clothing including breathing apparatus.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Emergency procedures:

Wear suitable protective clothing. Restrict access to contaminated area. Contain the spill and prevent further dispersion. Retrieve intact containers from site. Place damaged containers into containment devices. Absorb spills with inert material and place in waste containers. Wash the area with water and absorb with further inert material. Collect spilled material and place in sealable containers for subsequent disposal. Avoid contamination of water courses or sewers. Dispose of waste safely.

# SAFETY DATA SHEET

Product Name: Triumph Liquid

Page 3 of 5  
Reviewed on: 7 February 2020

## SECTION 7: HANDLING AND STORAGE

<b>Precautions for safe handling:</b>	Apply with well-maintained and calibrated equipment. Handle with care
<b>Regulatory requirements:</b>	N/A
<b>Handling practices:</b>	N/A
<b>Approved handlers:</b>	Not required
<b>Conditions for safe storage:</b>	Store at or below 30 °C, away from light. Keep out of reach of children.
<b>Store site requirements:</b>	This substance is subject to a requirement for an emergency management plan, containment and signage, whenever it is held in quantities of 100 L or more. See Hazardous Substances (Emergency management) regulations 25 to 42.
<b>Packaging:</b>	Packaging Schedule 3 (UN Packing Group III) for quantities >5 L (Hazardous Substances Packaging Regulations 2001).

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Workplace exposure standards:</b>	Dusts 10 mg/m <sup>3</sup>
<b>Application in the workplace:</b>	Prevent exposure by using engineering controls, personal protective equipment and work practices that prevent skin contact.
<b>Exposure standards outside the workplace:</b>	TELs and EELs are not set at this time.
<b>Engineering controls:</b>	Ensure that ventilation maintains dust levels below WES.
<b>Personal protection:</b>	Clothing should consist of overalls with long sleeves, and impervious gloves. Wear eye protection (e.g. goggles or face shield).
<b>References:</b>	N/A

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Specify product data:</b>	<u>Formulation type</u> : Liquid suspension <u>Appearance</u> : Liquid <u>Specific gravity</u> : ~1.02 <u>Boiling Point</u> : Not applicable <u>pH</u> : Not determined <u>Vapour Pressure</u> : Not applicable <u>Solubility in Water</u> : Not soluble
<b>Required specifications:</b>	N/A
<b>Further specifications:</b>	N/A
<b>Specific advice:</b>	N/A

# SAFETY DATA SHEET

Product Name: Triumph Liquid

Page 4 of 5  
Reviewed on: 7 February 2020

## SECTION 10: STABILITY AND REACTIVITY

<b>Stability of the substance:</b>	Stable under normal conditions of use and storage.
<b>Conditions to avoid:</b>	No specific conditions to avoid.
<b>Material to avoid:</b>	No specific materials to avoid.
<b>Hazardous decomposition products:</b>	No hazardous products are expected, except when heated to decomposition.
<b>Hazardous polymerization:</b>	Components are not expected to form hazardous polymers.
<b>Specific data:</b>	N/A

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>Data and interpretation:</b>	May be harmful if swallowed. May cause eye irritation. Repeated exposure may cause skin allergy. Ivermectin may possibly have effects on or via lactation.
<b>Summaries data:</b>	<p><u>Ivermectin</u>: Ivermectin (a macrocyclic lactone class) is an acute oral toxin [LD<sub>50</sub> (oral, mouse) 11.6 mg/kg; LD<sub>50</sub> (oral, dog) &gt;10 mg/kg; LD<sub>50</sub> (dermal, rabbit) ~406 mg/kg]. Clinical signs in repeated dose laboratory animal studies included ataxia, tremors, mydriasis, emesis and coma. High doses produced respiratory failure and deaths. Neonates were affected via milk (neurotoxicity and reduced body weights, LOAEL 0.4 mg/kg/d). Foetal malformations were observed at doses that caused maternal toxicity. Ivermectin is widely used in humans for the treatment of onchocerciasis at single doses of 0.2 mg/kg and adverse effects are usually mild and transient. Ivermectin may possibly have effects on or via lactation.</p> <p><u>Oxibendazole</u>: This active is non-toxic.</p> <p><u>Benzenemethanol</u>: An organic alcohol that is used as a preservative [LD<sub>50</sub> (oral, rabbit) 1040 mg/kg; LD<sub>50</sub> (dermal, rabbit) 2000 mg/kg]. It is a known skin sensitiser (contact dermatitis) and a moderate eye irritant.</p> <p><u>Praziquantel</u>: Praziquantel has low toxicity and is generally well tolerated [LD<sub>50</sub> (oral, rabbit) 1050 mg/kg].</p> <p><u>Anise Oils</u>: May be irritating to skin and eyes. Acute oral toxin [LD<sub>50</sub> (oral, rat) 2250 mg/kg] and a weak sensitiser (contact dermatitis).</p>

## SECTION 12: ENVIRONMENTAL INFORMATION

<b>Potential environmental interactions:</b>	Very toxic to aquatic organisms. Harmful to the soil environment. Very toxic to terrestrial invertebrates.
<b>Data organisation :</b>	<p><u>Ivermectin</u>: Ivermectin is highly toxic to invertebrates in the aquatic, soil and terrestrial environments. Ivermectin is considered to be highly toxic to fish and bees due to similarity to abamectin [Abamectin data: LC<sub>50</sub> rainbow trout 0.0032 mg/L; LC<sub>50</sub> bluegill sunfish 0.0096 mg/L and extremely toxic to aquatic invertebrates: EC<sub>50</sub> Mysid shrimp 0.022 ppb; EC<sub>50</sub> crustacea 0.00036 mg/L; toxicity to bees LD<sub>50</sub> (contact) 0.002 µg/bee]. Ivermectin is neither persistent nor bioaccumulative, but is ecotoxic.</p> <p><u>Benzenemethanol</u>: An organic alcohol that is used as a preservative. Benzenemethanol is toxic to aquatic and soil organisms [LC<sub>50</sub> <i>Lepomis macrochirus</i> 10 mg/mL (96hrs); EC<sub>50</sub> <i>Daphnia magna</i> 55 mg/L (24hrs); EC<sub>50</sub> microbial 50 mg/L] and is a potential terrestrial vertebrate toxin based on laboratory animal</p>

# SAFETY DATA SHEET

Product Name: Triumph Liquid

Page 5 of 5  
Reviewed on: 7 February 2020

**Environmental risk and safety phrases:**

toxicity data [LD<sub>50</sub> (oral, rabbit) 1050 mg/kg].  
Very toxic to aquatic organisms. Harmful to the soil environment.  
Very toxic to terrestrial invertebrates.  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Ivermectin)

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal information :**

Preferably dispose of the product by use. Otherwise dispose of product and packaging at an approved landfill or other approved facility. Avoid contamination of any water source. Burn empty container in an appropriate incinerator, if circumstances such as wind direction permit. Otherwise crush or puncture and bury in a suitable landfill. Do NOT use container for any other purpose

## SECTION 14: TRANSPORT INFORMATION

**Relevant information:**

Dangerous Goods for transport.  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Ivermectin)  
UN Number: 3082  
Dangerous Goods Class: 9  
  
The maximum quantity per package of this substance allowed for carriage on public transport is 1 L.

## SECTION 15: REGULATORY INFORMATION

**Regulatory status:**

Registered pursuant to the ACVM Act 1997: No. A010104.  
See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions

Approved pursuant to the HSNO Act, Approval Code HSR001893  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

**HSNO and ACVM controls:**

SDS is required for quantities greater than or equal to 1 L

Refer to Section 3

**List exposure limits:**

None set

## SECTION 16: OTHER INFORMATION

**Additional information:**

For product information visit the Boehringer Ingelheim website  
[www.boehringer-ingelheim.co.nz](http://www.boehringer-ingelheim.co.nz)

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