

SAFETY DATA SHEETS

This SDS packet was issued with item:

078464738

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078344322 078344330



Material Safety Data Sheet
ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

1 Identification of substance

· **Product details**

· **Trade name:** Eqvalan Oral Paste for Horses
Ivermectin

· **Item number:** 25874

· **Manufacturer/Supplier:**

Merial Limited
3239 Satellite Blvd.
Duluth, Ga. 30096-4640
1-888-MERIAL 1 (1-888-637-4251)

· **Emergency information:**

Emergency Information: CHEMTREC International 1 + 703-527-3887
Collect calls accepted
Spill Information:

CHEMTREC® 1-800-424-9300
CHEMTREC® International 1+703-527-3887
International calls 011+703-527-3887
Reverse charges.

2 Composition/Data on components

· **Chemical characterization**

· **Description:** Mixture: consisting of the following components.

· **Components:**

	Non hazardous substance		17.02%
57-55-6	Propylene Glycol		79.11%
13463-67-7	Titanium Dioxide		2.0%
	Ivermectin	T+, Xi, N; R 28-36-50 Danger: 3.1.O/2, 3.1.D/3, 3.3/2A Warning: 4.1.A/1	1.87%

3 Hazards identification

· **Hazard description:**



Toxic

· **Information pertaining to particular dangers for man and environment:**

Toxic if swallowed.

· **Classification system:**

The classification was made according to the latest editions of international substances lists, and from company and regulatory data.

USA

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: *Eqvalan Oral Paste for Horses*
Ivermectin

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0

Fire = 0

Reactivity = 0

· **GHS label elements** Void

4 First aid measures

- **General information:** This product may be harmful if swallowed in large amounts.
- **After inhalation:** Not an expected route of entry.
- **After eye contact:**
Rinse opened eye for a minimum of 15 minutes under running water. Get medical attention immediately.
- **After swallowing:** Immediately call a doctor.
- **After self injection**
- **Information for doctor.**
Overexposure to ivermectin may cause drowsiness, depressed motor activity, slowed breathing, dilation of the pupils, tremors, vomiting, anorexia and incoordination.
Direct contact of the solution with eyes can cause irritation. The oral toxicity of this formulation is unknown.

5 Fire fighting measures

- **Suitable extinguishing agents:** Use water spray or all purpose dry chemical.
- **Special hazards caused by the material, its products of combustion or resulting gases:**
If exposed to fire, toxic gases including CO and CO₂ may be generated.
- **Protective equipment:**
Fire fighters should wear self-contained breathing apparatus and full protective equipment.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**
Vacuum, shovel, sweep-up all spilled materials and place in sealed container for proper disposal IAW Section XIII.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Store in cool, dry place in tightly closed containers.
Handle with care. Avoid jolting and impact.
- **Information about protection against explosions and fires:** No special measures required.

USA

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: *Eqvalan Oral Paste for Horses*
Ivermectin

- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store only in the original container.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
 Keep receptacle tightly sealed.
 Store in a cool, dry, well ventilated place.

8 Exposure controls and personal protection

- **Components with limit values that require monitoring at the workplace:**
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.
 Do not store food in the working area.
- **Protection of hands:** Not required under normal conditions of use.
- **Eye protection:**



Safety goggles.

- **Body protection:** Not required under normal conditions of use.

9 Physical and chemical properties

· General Information

Form:	Paste
Color:	White homogeneous
Odor:	Odorless

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 185°C (365°F)

· **Flash point:** 101°C (214°F)

· **Ignition temperature:** 371.0°C (700°F)

· **Auto igniting:** Product is not self-igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

Lower:	2.6 Vol %
Upper:	12.6 Vol %

· **Vapor pressure at 20°C (68°F):** 0.1 hPa

USA

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: Eqvalan Oral Paste for Horses
Ivermectin

· Specific gravity:	Not determined.
· Solubility in / Miscibility with Water:	Insoluble in water.
· Organic solvents:	79.1 %
· Solids content:	2.0 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Oral	LD50	50 mg/kg (rat)
Dermal	LD50	660 mg/kg (rat)
Inhalation	LC50/4 h	5.11 mg/l (rat)

13463-67-7 Titanium Dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalation	LC50/4 h	>6.82 mg/l (rat)

70288-86-7 Ivermectin Comp. B1a Comp. B1b

Oral	LD Oral	>15 mg/kg (adult human)
	LD50	~80 mg/kg (dog)
		25 mg/kg (mouse)
		50 mg/kg (rat)
Dermal	LD50	>24 mg/kg (Rhesus monkey)
		406 mg/kg (rabbit)
		>660 mg/kg (rat)
Inhalation	LC50/4h	>0.4 mg/kg (rat)
	LD Subcutaneous	>1.6 mg/kg (adult human)
	LD50	55 mg/kg (rat)
	LD50 Subcutaneous	~10 mg/kg (juvenile dog)

- **Primary irritant effect:**
- **on the skin:** Irritating to skin.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

USA

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: *Eqvalan Oral Paste for Horses*
Ivermectin

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **Ecotoxological effects:**

· **Aquatic toxicity:**

70288-86-7 Ivermectin Comp. B1a
Comp. B1b

LC50 / 48 hrs 0.025 ppb (*Daphnia magna*)

LC50/96 hours .3 ug/l (*Rainbow Trout*)

· **Remark:**

Ivermectin: LC 50 (*Daphnia Magna*) EPA Classification=25ppt. Very highly toxic to aquatic organisms.

· **General notes:**

Water danger class 3 (Self-assessment): extremely hazardous for water

Do not allow any volumes of product to reach ground water, water source or sewage system.

13 Disposal considerations

· **Product:**

· **Recommendation:** Disposal must be made in accordance with local and national environmental regulations.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made in accordance with local and national environmental regulations.

14 Transport information

· **DOT regulations:**

· **Hazard class:** Not Regulated

· **Land transport ADR/RID (cross-border):**

· **ADR/RID class:** 9 Miscellaneous dangerous substances and articles

· **UN-Number:** 3082

· **Packaging group:** III

· **Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (ivermectin)

· **Maritime transport IMDG:**

· **IMDG Class:** 9

· **UN Number:** 3082

· **Packaging group:** III

· **Marine pollutant:** Yes

· **Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (ivermectin)

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** 9

· **UN/ID Number:** 3082

· **Packing group:** III

· **Proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (ivermectin)

USA

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: *Eqvalan Oral Paste for Horses*
Ivermectin

· UN "Model Regulation": -

15 Regulations

· **SARA**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act):**

57-55-6 Propylene Glycol

13463-67-7 Titanium Dioxide

· **CA Proposition 65**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenesis potential categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

13463-67-7 Titanium Dioxide

2B

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7 Titanium Dioxide

A4

· **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 Titanium Dioxide

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Product related hazard informations:**

The product has been classified and marked in accordance with directives on hazardous materials.

· **Hazard symbols:**

Toxic

· **Hazard-determining components of labelling:**

Ivermectin Comp Bla

Material Safety Data Sheet

ISO/DIS 11014 / 29 CFR 1910.1200 / ANSI Z400.1

Printing date 12/14/2009

Reviewed on 12/14/2009

Trade name: *Eqvalan Oral Paste for Horses*
Ivermectin

· **Risk phrases:**

Toxic if swallowed.

· **Safety phrases:**

Keep locked up and out of the reach of children.

Keep away from food, drink and animal feedingstuffs.

When using do not eat or drink.

After contact with skin, wash immediately with plenty of water

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point

Wear suitable protective clothing and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately.

Not recommended for interior use on large surface areas.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

· **Water hazard class:** Water danger class 3 (Self-assessment): extremely hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:** MSDS Coordinator, msds@merial.com

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

USA

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Eqvalan®, oral paste (finished product)

Synonyms : Eqvalan® Oral Paste for Horses, Ivomec® Vet Paste, Ivomec® Vet Paste 6,42mg with API: Ivermectin

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Pharmaceutical

Recommended restrictions on use : Safety Data Sheet only for the professional user.

1.3 Details of the supplier of the safety data sheet

Company : Boehringer Ing. Pharma GmbH & Co.KG
Binger Str. 173
55216 Ingelheim am Rhein

Telephone : +498007790900

E-mail address of person responsible for the SDS : EHS-Services@Boehringer-Ingelheim.com

1.4 Emergency telephone number

Int. Emergency Telephone number: +1 703-527-3887 Chemtrec 24-hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

The product is not subject to classification (medicinal product)

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

The product does not need to be labelled (medicinal product).

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

The pharmacological effect of the medicament has to be considered (see package leaflet).

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version 1.0 Revision Date: 11.04.2017 SDS Number: 000000049058 Date of last issue: -
Date of first issue: 11.04.2017

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : organic

Hazardous components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Ivermectin	70288-86-7 274-536-0	Acute Tox. 2; H300 Acute Tox. 2; H330 Acute Tox. 3; H311 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	1,87

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
First Aid responders should pay attention to self-protection and use the recommended protective clothing
Remove from exposure, lie down.
Take off immediately all contaminated clothing.
Victim to lie down in the recovery position, cover and keep him warm.

If inhaled : Move to fresh air.

In case of skin contact : Wash off immediately with plenty of water.

In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.
Keep eye wide open while rinsing.

If swallowed : Rinse mouth.
Drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Risks : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Observe the summary of product characteristics of proprietary medicinal products

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

Symptomatic treatment (decontamination, vital functions).

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Water
Dry chemical
Foam
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : In case of fire and/or explosion do not breathe fumes.
Can be released in case of fire:
Carbon oxides
Product itself is non-combustible.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
complete suit protecting against chemicals

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.
Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Pick up and transfer to properly labelled containers.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against fire and explosion : No special protective measures against fire required. The product is not flammable.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : No special storage conditions required.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.
Advice on Segregation

Storage class (TRGS 510) : 12, Non Combustible Liquids

7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Local exhaust
Emergency sprinkling nozzle

Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection

Material	: Nitrile rubber
Break through time	: 480 min
Glove thickness	: 0,43 mm
Directive	: Protective gloves against chemicals and micro-organisms
Protective index	: Class 6

Skin and body protection : Laboratory: laboratory coat; factory: disposable Overall.

Respiratory protection : No personal respiratory protective equipment normally required.
Breathing apparatus needed only when aerosol or mist is formed.
Respiratory protection

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

ABEK2

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: paste
Colour	: white
Odour	: almost odourless
Odour Threshold	: No data available
pH	: No data available
Melting point/range	: Not applicable
Boiling point/boiling range	: 185 °C
Flash point	: 101 °C
Evaporation rate	: No data available
Upper explosion limit	: 2,6 %(V)
Lower explosion limit	: 12,6 %(V)
Vapour pressure	: 0,1 hPa
Relative vapour density	: No data available
Relative density	: No data available
Bulk density	: Not applicable
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

9.2 Other information

Self-ignition : not auto-flammable

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity	: Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate: 2,67 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate: > 2.000 mg/kg Method: Calculation method

Components:

Ivermectin:

Acute oral toxicity	: LD50 (Rat): = 50 mg/kg
---------------------	--------------------------

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Boehringer
Ingelheim

Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

LD50 (Mouse): = 25 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 0,4 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity : LD50 (Rabbit, male and female): = 406 mg/kg

LD50 (Rat): > 660 mg/kg

Germ cell mutagenicity

Components:

Ivermectin:

Genotoxicity in vitro : Test Type: Ames-test
Species: Salmonella typhimurium
Result: negative

: Test Type: Mouse lymphoma assay
Result: negative

: Test Type: Unscheduled DNA synthesis
Species: fibroblast cell line
Result: negative

SECTION 12: Ecological information

12.1 Toxicity

Components:

Ivermectin:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 0,003 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 0,000025 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Packs that cannot be cleaned should be disposed of in the same manner as the contents.
Uncontaminated packaging can be recycled.

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Ivermectin

REACH - Candidate List of Substances of Very High : Not applicable

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

Concern for Authorisation (Article 59).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

E1	ENVIRONMENTAL HAZARDS	Quantity 1 100 t	Quantity 2 200 t
----	-----------------------	---------------------	---------------------

Water contaminating class (Germany) : WGK 2 significantly water endangering
Classification according to AwSV, Annex 1 (5.2)

TA Luft List (Germany) : Total dust:
Not applicable
Inorganic substances in powdered form:
Not applicable
Inorganic substances in vapour or gaseous form:
Not applicable
Organic Substances:
Not applicable
Carcinogenic substances:
Not applicable
Mutagenic:
Not applicable
Toxic to reproduction:
Not applicable

The components of this product are reported in the following inventories:

REACH : Not in compliance with the inventory

DSL : All components of this product are on the Canadian DSL

AICS : Not in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

ISHL : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not in compliance with the inventory

IECSC : Not in compliance with the inventory

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

TCSI : On the inventory, or in compliance with the inventory

TSCA : Not On TSCA Inventory

15.2 Chemical safety assessment

SECTION 16: Other information

Full text of H-Statements

H300 : Fatal if swallowed.
H311 : Toxic in contact with skin.
H330 : Fatal if inhaled.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. : Acute toxicity
Aquatic Acute : Acute aquatic toxicity
Aquatic Chronic : Chronic aquatic toxicity

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Eqvalan®, oral paste (finished product)

Version	Revision Date:	SDS Number:	Date of last issue: -
1.0	11.04.2017	000000049058	Date of first issue: 11.04.2017

Further information

Training advice : Provide adequate information, instruction and training for operators.

Other information : Vertical lines in the left hand margin indicate an amendment from the previous version.

Sources of key data used to compile the Safety Data Sheet : The specifications are based on own tests and/or literature data.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN