



**SAFETY DATA SHEET**  
**IVERMECTIN LIQUID FOR HORSES**

**Alberta Vet Laboratories Ltd.**  
Document No.:  
**SDS-QC.011**  
Version:1.0

Effective Date: 2020-03-16

**SAFETY DATA SHEET**  
**Ivermectin Liquid for Horses**

**1. PRODUCT AND COMPANY IDENTIFICATION**

**SDS Name:** Ivermectin Liquid for Horses  
**Product ID:** IVL15, IV60, IV100, IV120  
**CAS no:** Mixture  
**Chemical Present:** See components below

**Company Identification:** Alberta Veterinary Laboratory Ltd.  
7226- 107<sup>th</sup> Avenue South East  
Calgary, Alberta Canada  
T2C5N6

For information call: (403) 456-2245  
Emergency number: (613) 996-6666 (CANUTEC)  
1-800 463-5060 OR  
(418) 656-8090 (Control Poison Center)

**2. HAZARD IDENTIFICATION**

**Eye Contact:** May cause eye irritation.  
**Skin Contact/Absorption:** May be harmful if absorbed through skin. May cause skin irritation.  
**Inhalation:** May be harmful if inhaled. May cause irritation to gastrointestinal or respiratory tract  
**Ingestion:** May be harmful if swallowed.

**Potential Chronic Health Effects:**

**CARCINOGENIC EFFECTS:** Not available.

**MUTAGENIC EFFECTS:** Classified none for human. Non-mutagenic for mammals.

**TERATOGENIC EFFECTS:** Not available.

**DEVELOPMENTAL TOXICITY:** Classified Reproductive system/ toxin/male [POSSIBLE].

Classified Reproductive system/toxin/female [None.].

Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.



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**3. COMPOSITION / INFORMATION ON INGREDIENTS**

CAS #	Chemical Name	Chemical Formula	% by weight
70288-86-7	Ivermectin	Component $H_2B_{1a}(C_{48}H_{74}O_{14})$ Component $H_2B_{1b}(C_{47}H_{72}O_{14})$	1.0 %
7732-18-5	Purified Water	$H_2O$	70-100%

**4. FIRST AID MEASURES**

<b>Eye Contact:</b>	Flush immediately with water for at least 15 minutes. Check for and remove any contact lenses. Get medical attention immediately.
<b>Skin Contact:</b>	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical immediately.
<b>Inhalation:</b>	Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek medical Attention if difficulties persist.
<b>Ingestion:</b>	Do not induce vomiting unless directed to do so. Never give anything to an unconscious person. Seek immediate medical attention.

**5. FIRE FIGHTING MEASURES**

<b>Condition of Flammability</b>	Not flammable
<b>Means of Extinction</b>	Product does not burn. Use appropriate extinguishing media for surrounding fire.
<b>Flash Point</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not applicable
<b>Upper Flammable Limit</b>	Not applicable
<b>Lower Flammable Limit</b>	Not applicable
<b>Hazardous Combustible Products</b>	Not applicable
<b>Special Fire Fighting Procedures</b>	Wear NIOSH-approved self-contained breathing apparatus and protective clothing. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet
<b>Explosion Hazards</b>	Not applicable



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**6. ACCIDENTAL RELEASE MEASURES**

**Leak / Spill** Wear appropriate personal protective equipment if required. Stop or reduce leak if safe to do so. Vacuum or sweep up spilled material. If material is diluted with water, prevent from entering sewers.

**7. HANDLING AND STORAGE**

**Handling Procedures:** Use proper equipment for lifting and transporting all containers. Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid all situations that could lead to harmful exposure.

**Storage Requirements:** Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from incompatible materials.

**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**Protective Equipment**

**Eyes** Chemical goggles,  
**Respiratory** Use NIOSH/MSHA approved respiratory protection.  
**Gloves** Impervious gloves of chemically resistant material should be worn at all times.

**Clothing** Body suits, aprons and or coveralls of chemical resistant material should be worn at all times. Wash contaminated clothing and dry thoroughly before reuse.

**Footwear** Impervious boots of chemically resistant material should be worn.

**Engineering Controls:**  
**Ventilation Requirements:** Mechanical ventilation (dilution or local exhaust), process or personnel enclosure and control of process conditions should be provided. Supply sufficient replacement air to make up for air removed by exhaust systems.

**Other** Keep an eye wash fountain and safe shower available and in close proximity to work area.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**  
**Physical State:** Liquid  
**Color:** Pale Yellow  
**Odor:** Characteristic odor  
**Odor Threshold:** No test data available  
**pH:** 6.0 – 6.5  
**Specific gravity** 1.0 – 1.1



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**Solubility in water:** All component chemicals are soluble in water.

**10. REACTIVITY AND STABILITY DATA**

<b>Stability</b>	Stable
<b>Incompatibles</b>	Oxidizing agents (Ivermectin).
<b>Corrosivity:</b>	Non-corrosive in presence of glass.
<b>Decomposition Products</b>	When heated to decomposition material emits toxic fumes of NOx. Emits toxic fumes under fire conditions (Ivermectin).
<b>Hazardous Polymerization</b>	Will not occur

**11. TOXICOLOGICAL INFORMATION**

**Routes of Entry:** Inhalation. Ingestion.  
**Toxicity to Animals:** Acute oral toxicity (LD50): 29.5 mg/kg [Mouse].  
**Chronic Effects on Humans:**  
MUTAGENIC EFFECTS: Classified None. for human. Non-mutagenic for mammals.  
DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/male [POSSIBLE].  
Classified Reproductive system/toxin/female [None.].  
**Other Toxic Effects on Humans:** Slightly hazardous in case of skin contact (irritant).  
**Special Remarks on Toxicity to Animals:** Not available.  
**Special Remarks on Chronic Effects on Humans:** Not available.  
**Special Remarks on other Toxic Effects on Humans:** Not available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicological effects:**  
**Aquatic toxicity:** LC50 / 48 hrs 0.025 ppb (Daphnia magna)  
LC50/96 hours .3 g/l (Rainbow Trout) ·  
**General notes:**  
**Water hazard class 2 (Self-assessment):** hazardous for water Do not allow any volumes of product to reach ground water, water source or sewage system. Danger to drinking water if even small quantities leak into the ground.

**13. WASTE DISPOSAL**

**Product:** Disposal must be made according to local provincial and federal regulation  
**Uncleaned packaging:** Disposal must be made according to local provincial and federal regulation



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**14. TRANSPORTATION INFORMATION**

**DOT Classification:** CLASS 6.1: Poisonous material.

**Identification:** Toxic solids n.o.s. (Ivermectin) : UN2811 PG: II

**Special Provisions for Transport:** Not available.

**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)

**15. REGULATORY INFORMATION**

**SARA (Species at Risk Act):** Section 355 (extremely hazardous substances): Not listed.

Section 313 (Specific toxic chemical listings): Not listed.

TSCA (Toxic Substances Control Act): Not listed.

**CA Proposition 65:** Chemicals known to cause cancer: Not listed.

Chemicals known to cause reproductive toxicity for females: Not listed.

Chemicals known to cause reproductive toxicity for males: Not listed.

Chemicals known to cause developmental toxicity: Not listed.

**Carcinogenesis potential categories** · EPA (Environmental Protection Agency): Not listed.

IARC (International Agency for Research on Cancer):  
Not listed.

NTP (National Toxicology Program): Not listed.

TLV (Threshold Limit Value established by ACGIH): Not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health): Not listed.

OSHA-Ca (Occupational Safety & Health Administration):  
Not listed.



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**Product related hazard information:**

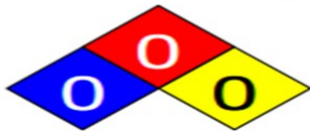
Observe the general safety regulations when handling chemicals.  
The product is not subject to identification regulations according to directives on hazardous materials.

**Safety phrases:**

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

**Water hazard class:** Water hazard class 2 (Self-assessment): **hazardous for water.**

***- 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***

***Warning***  
***2.6/4 - Combustible liquid.***

**16. OTHER INFORMATION**

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Alberta Veterinary Laboratory Ltd. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Alberta Veterinary Laboratory Ltd. has been advised of the possibility of such damages.

**This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR**

**Revision Date: 2020-03-16**