

Plot No. 905/12/A, GIDC Panoli - 394116, Ta. Ankleshwar, Bharuch, Gujarat, INDIA
Tel: (91) (261) 2972970/3593688; M: +91-7359657360
Email: info@horster.in; Web: www.horster.in

MATERIAL SAFETY DATA SHEET

1. Identification

Product Name: IVERMECTIN USP/IP/BP/EP

Other means of identification

Synonyms: Ivermectin is a mixture of avermectin A1a (component H2B1a (CAS no. 71827-03-7)) and avermectin A1a (component H2B1b (CAS no. 70209-81-3))

CAS #: 70288-86-7

Recommended use of the chemical and restrictions on use

Recommended use: Medication.

Uses advised against No information available

Manufacturer and Supplier:

Horster Life Science Pvt Ltd
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2. HAZARDS IDENTIFICATION

Classification

Classification under 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements : None required

Hazards not otherwise classified (HNOC) : None identified

Other hazards : Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear respiratory protection

Wear protective gloves

Wear protective clothing

Precautionary Statements - Response

IF ON SKIN: Wash with plenty of water

Call a doctor/physician if you feel unwell

Remove/Take off immediately all contaminated clothing

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor/physician.

IF SWALLOWED: Immediately call a doctor/physician

Rinse mouth

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS**Component CAS No Weight-%**

Ivermectin 70288-86-7 100

4. FIRST AID MEASURES**First aid measures**

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. **WARNING!** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed**Symptoms** May cause headache

May cause dizziness

tiredness

Seizures

May cause incoordination

May cause nausea and vomiting

Abdominal pain

May cause diarrhea

May affect eyes/vision

Joint pain

Weakness

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO₂). Water spray mist or foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous combustion products Carbon Monoxide, Carbon Dioxide.

Specific hazards May be combustible at high temperatures.

Special Protective Actions for Firefighters

Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent)

and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing dust. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Prevent from entering into soil, ditches, sewers, waterways, and/or ground water.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron Gloves Long sleeved clothing.

Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds), inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

Do not ingest. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed. Store in cool place away from sunlight.

Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

Strong oxidizing agents

Alkalis

Acids

Bases

Ammonia

Peroxides

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****National occupational exposure limits****United States**Component CAS No **OSHA NIOSH ACGIH AIHA WEEL**

Ivermectin 70288-86-7 None None None None

Australia and MexicoComponent CAS No **Australia Mexico**

Ivermectin 70288-86-7 None None

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical state:** Solid**Appearance:** Needles. Crystalline powder.**Color:** White.**Odor:** No information available.**Taste:** No information available.**Formula:** No information available**Molecular/Formula weight (g/mole):** No information available**Flammability (solid, gas)** no data available**Flashpoint (°C/°F):** No information available**Flash Point Tested according to:** Not available**Autoignition Temperature (°C/°F):** No information available**Lower Explosion Limit (%):** No information available**Upper Explosion Limit (%):** No information available**Melting point/range(°C/°F):** 150-157°C/302-314.6°F**Decomposition temperature(°C/°F):** No information available**Boiling point/range(°C/°F):** No information available**Bulk density:** No information available**Density (g/cm³):** No information available**10. STABILITY AND REACTIVITY****Reactivity**

No information available

Chemical stability**Stability:** Stable under recommended storage conditions.**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur**Conditions to avoid:** Heat. Avoid dust formation. Incompatible materials.**Incompatible Materials:** Strong oxidizing agents, Alkalies, Acids, Bases, Ammonia, Peroxides**Hazardous decomposition products:** No information available.**Other Information****Corrosivity:** No information available**Special Remarks on Corrosivity:** No information available**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Principal Routes of Exposure:**

Skin. Ingestion. Inhalation.

Component Information

Ivermectin

CAS No 70288-86-7

Oral LD50 4570 mg/kg (rat)

Dermal LD50 13400 mg/kg (rabbit)

Inhalative LC50/4 h 30 mg/l (rat)

Oral LD Oral >15 mg/kg (adult human)

LD50 ~80 mg/kg (dog)

25 mg/kg (mouse)

>24 mg/kg (Rhesus monkey)

Vapor pressure @ 20°C (kPa): No information available**Evaporation rate:** No information available**Vapor density:** No information available**VOC content (g/L):** No information available**Odor threshold (ppm):** No information available**Partition coefficient****(n-octanol/water):** 3.94**Viscosity:** No information available**Miscibility:** No information available**Solubility:** Practically insoluble in water**LD50/dermal/rat** = No information available**LC50/inhalation/rat** = No information available**LC50/inhalation/mouse** = No information available**Other LD50 or LC50 information** = No information available**VALUE-Vapor** = No information available**VALUE-Gas** = No information available**VALUE-Dust/Mist** = No information available**LC50/Inhalation/mouse****VALUE-Vapor** = No information available**VALUE - Gas** = No information available**VALUE - Dust/Mist** = No information available**Symptoms****Skin Contact:** May cause skin irritation.**Eye Contact:** May cause eye irritation.**Inhalation** May cause irritation of respiratory tract.**Ingestion** May cause dizziness, headache. Ingestion may cause nausea, vomiting. May cause diarrhea. May cause abdominal pain. May cause joint pain. May cause weakness. May cause vision disturbances. May affect the cardiovascular system (tachycardia). May cause difficulty breathing. May cause skin rash, redness or itching.**Aspiration hazard** No information available.**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Chronic Toxicity** No information available.**Sensitization:** No information available.**Mutagenic Effects:** No information available**Carcinogenic effects:** Not considered carcinogenic.**Component CAS No IARC ACGIH -****Carcinogens**

NTP OSHA HCS -**Carcinogens****Australia -** Not listed**ACGIH (American Conference of Governmental Industrial Hygienists)****IARC (International Agency for Research on Cancer)****NTP (National Toxicology Program)****OSHA (Occupational Safety and Health Administration of the US Department of Labor)****Reproductive toxicity** No data is available**Reproductive Effects:** No information available**Developmental Effects:** No information available**Teratogenic Effects:** No information available**Specific Target Organ Toxicity****STOT - single exposure** No information available.**STOT - repeated exposure** No information available.**Target Organs:** No information available.**12. ECOLOGICAL INFORMATION****Ecotoxicity****Ecotoxicity effects:** No data available.**Persistence and degradability:** No information available**Bioaccumulative potential:** No information available.**Mobility in soil** No information available**Other adverse effects** No information available.**13. DISPOSAL CONSIDERATIONS****Disposal Methods****Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

Component CAS No RCRA - F Series Wastes**RCRA - K Series Wastes****RCRA - P Series Wastes****RCRA - U Series Wastes****14. TRANSPORT INFORMATION****DOT** Not regulated**TDG** Not regulated**IATA** Not regulated**IMDG/IMO** Not regulated**Marine Pollutant** No data available**DOT RQ (lbs):** No information available**15. REGULATORY INFORMATION****U.S. Regulations****California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.****Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

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This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

16. OTHER INFORMATION

Revision date 02/08/2025

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. We assume no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, we assume no responsibility for the completeness or accuracy of the information contained herein.

FOR HORSTER LIFE SCIENCE PRIVATE LIMITED


DIRECTOR