

SAFETY DATA SHEETS

This SDS packet was issued with item:

078948477

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

078948481 078948482



SAFETY DATA SHEET
PARASEDGE™ Multi for Dogs
(imidacloprid + moxidectin) Topical solution

Virbac AH, Inc. encourages and expects you to read and understand the entire SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

1. IDENTIFICATION

| | |
|--|--|
| Product Name | PARASEDGE™ Multi for Dogs (imidacloprid + moxidectin) Topical Solution |
| Recommended use of the chemical and restrictions on use | |
| Identified uses | Topical application for pesticide & anthelmintic agent in treatment and control of external and internal parasite infestation for Dogs |
| Restrictions on Use | For veterinary use |
| Company Identification | Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161 (800) 338-3659 |
| Customer Information Number | |
| Emergency Telephone Number | |
| CHEMTREC Number | (800) 424-9300 |
| Other Emergency Number: | Human Toll-free 833-224-2009 Animal Toll-free 833-224-2013 |
| Issue Date | December 22, 2021 |
| Supersedes Date | This is first issue |

Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

2. HAZARD IDENTIFICATION

Hazard Classification

Acute Toxicity (oral) – Category 4

Acute Toxicity (inhalation) – Category 4

Serious Eye Damage/Irritation – Category 2B

Acute Aquatic Toxicity – Category 1 (not an OSHA recognized hazard)

Chronic Aquatic Toxicity – Category 1 (not an OSHA recognized hazard)

Label Elements

Hazard Symbols



Signal Word: WARNING

Hazard Statements

Harmful if swallowed.

Harmful if inhaled.

Causes serious eye irritation



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2. HAZARD IDENTIFICATION

Precautionary Statements

Prevention

Wash hands thoroughly after handling.
Avoid breathing mist, spray, vapor.
Do not eat, drink or smoke while using this product.
Use only outdoors or in well ventilated area.
Wear eye protection and face protection.

Response

If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth.
If inhaled: Remove to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

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

Disposal

Dispose of contents/container in accordance with local regulation.

Other Hazards

Moxidectin is a suspect Category 2 reproductive hazard and may cause harm to the unborn child or fertility.

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

| | |
|---------------------------|----|
| Acute oral toxicity | 0% |
| Acute dermal toxicity | 0% |
| Acute inhalation toxicity | 0% |
| Acute aquatic toxicity | 0% |

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

| Component Name | CAS Number | Concentration* |
|---------------------|-------------|----------------|
| Imidacloprid | 138261-41-3 | ~9 % |
| Moxidectin | 113507-06-5 | < 2.5% |
| Propylene Carbonate | 108-32-7 | ~15 % |
| Benzyl alcohol | 100-51-6 | <74 % |

*Exact concentration withheld as trade secret.



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4. FIRST- AID MEASURES

Description of necessary first-aid measures

Eyes

Immediately flood the eye with plenty of water for at least for several minutes, holding the eye open. Obtain medical attention if symptoms persist.

Skin

Wash skin thoroughly with soap and water. Obtain medical attention if symptoms persist.

Ingestion

Rinse mouth with water. Call a poison control center or doctor for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically. No specific antidote.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire. Do not release contaminated fire water to the environment.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Wipe up and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wear appropriate protective clothing. Do not eat, drink, or smoke during use of product. Avoid contact with eyes and skin. Avoid breathing mists/vapors. Wash hands after use.



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7. HANDLING AND STORAGE

Conditions for safe storage

Store in original container at temperatures less than 25°C. Store away from children and pets. Storage area should be cool - dry - well ventilated - away from incompatible materials – away from direct sunlight

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Imidacloprid

None established

Moxidectin

None established

Propylene Carbonate

None established

Benzyl Alcohol

None established

Appropriate engineering controls

Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions.

Individual protection measures

Respiratory Protection

Finished product does not require respiratory protection under normal conditions of use as long as it is in a well ventilation environment. Wear respiratory protection if there is a risk of exposure in enclosed areas and if working with bulk volumes. A NIOSH approved respirator should be worn. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

Skin Protection

Gloves

Eye/Face Protection

Safety glasses

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

| | | |
|-----------------------------------|-----------------------|-------------------|
| | Physical State | Liquid |
| | Color | Clear pale yellow |
| Odor | | Faint |
| Odor Threshold | | No data available |
| pH | | No data available |
| Density | | No data available |
| Boiling Range/Point (°C/F) | | No data available |



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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------|
| Melting Point (°C/F) | No data available |
| Flash Point (PMCC) (°C/F) | No data available |
| Vapor Pressure | No data available |
| Evaporation Rate (BuAc=1) | No data available |
| Solubility in Water | No data available |
| Vapor Density (Air = 1) | No data available |
| VOC | No data available |
| Partition coefficient (n-octanol/water) | No data available |
| Viscosity | Not applicable |
| Auto-ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Upper explosive limit | No data available |
| Lower explosive limit | No data available |
| Flammability (solid, gas) | No data available |

10. STABILITY AND REACTIVITY

Reactivity

Product is considered stable.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Sunlight - high temperatures - contact with incompatible materials

Incompatible Materials

Strong oxidizing agents – strong acids - strong bases -Hydrogen bromide - iron

Hazardous Decomposition Products

Oxides of carbon – Oxides of nitrogen – Sulfur oxides – Hydrogen fluoride – Hydrogen Chloride

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Imidacloprid

Oral LD50 (rat) >410 - 475 mg/kg

Oral LD50 (mouse) 98 – 168 mg/kg

Dermal LD50 (rat) >5000 mg/kg

Inhalation LC50 (rat) >69 mg/m³/4Hr (aerosol)

Moxidectin

Oral LD50 (rat) 106 mg/kg

Oral LD50 (mouse) 50 -84 mg/kg

Dermal LD50 (rat) >2000 mg/kg

Inhalation LC50 (rat) 3.28 mg/L (5 hour)



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11. TOXICOLOGICAL INFORMATION

Propylene Carbonate

Oral LD50 (rat) >2000 mg/kg

Dermal LD50- (rabbit) 33,520 mg/kg

Benzyl Alcohol

Oral LD50 (rat) 1230.0 mg/kg

Oral LD50 (mouse) 1580.0 mg/kg

Dermal LD50 (rabbit) 2000.0 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure

No toxicity studies have been conducted on finished product.

Specific Target Organ Toxicity (STOT) – repeat exposure

No target organ toxicity studies have been conducted on finished product.

Serious Eye damage/Irritation

Imidacloprid: Minimally irritating to eyes in rabbit studies.

Propylene Carbonate: Irritating to eyes.

Moxidectin: Causes eye irritation.

Skin Corrosion/Irritation

No studies have been conducted on finished product for skin irritation.

Respiratory or Skin Sensitization

No studies have been conducted on finished product for sensitization.

Carcinogenicity

Not considered carcinogenic by NTP, IARC, and OSHA.

Germ Cell Mutagenicity

No studies have been conducted on finished product for mutagenicity.

Reproductive Toxicity

Moxidectin: Animal studies of 1 mg/kg/day (rabbit) and 5 mg/kg/day (rat) resulted in embryo toxicity. However, in both studies there was no evidence of teratogenicity.

Aspiration Hazard

Finished product is not classified as an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Moxidectin: Daphnia magna 48 hr 0.03 microgram/L; Rainbow trout 96 hr 0.16 microgram/L; Green Algae 72 hr 86.9 microgram/L

Imidacloprid: Daphnia magna 48 hr 10.44 mg/L; Rainbow trout 96 hr 211 mg/L; Green Algae 72/96 hr 68 microgram/L

Propylene Carbonate: Daphnia magna 48 hr 230 mg/L; Bluegill Sunfish 96 hr 10 mg/L; Green Algae 72/96 hr 640 mg/L

Benzyl Alcohol: Daphnia sp. 48 hr >1000 mg/L; Fish unspecified 96 hr >1000 mg/L; Algae unspecified 72/96 hr >900 mg/L



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12. ECOLOGICAL INFORMATION

Mobility in soil

Imidacloprid: K_{OC} 156 – 800

Moxidectin K_{OC} 18000-41000 soil Soil

Persistence/Degradability

Imidacloprid: t_{1/2}: SOIL 34 days up to 190 days depending on soil type and vegetation.

Moxidectin: t_{1/2}: SOIL 360 days; Sediment 1600 days; water 180 days

Benzyl alcohol: biodegradability 14 days (aerobic)

Bioaccumulative Potential

Imidacloprid: BCF (estimated) as 3 (low potential)

Moxidectin: BCF not available but estimated as high potential.

Other adverse effects

None known

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data

Environmentally Hazardous Substance (imidacloprid and moxidectin), 9, UN 3082, III

UN Proper Shipping Name

Isopropanol Solution

UN Class

(9)

UN Number

UN3082

UN Packaging Group

II1

Note: This product may avail Excepted Quantity or Limited Quantity provisions.

15. REGULATORY INFORMATION

United States TSCA Inventory

All components of this product have not been verified for inventory listing requirements of the US Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

SARA Title III Sect. 311/312 Categorization

Acute Toxicity (oral, inhalation), Serious eye damage or eye irritation

SARA Title III Sect. 313

This product contains a chemical that is listed in Section 313 at or above de minimis concentrations. The following listed chemicals are present: None



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16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists
BOD: Biological Oxygen Demand
CAS#: Chemical Abstracts Service Number
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
NOAEL: No Observed Adverse Effect Level
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

Revision Date: December 22, 2021

Replaces: This is first issue

Changes made: This is first issue

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

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