



SAFETY DATA SHEET

Preventic® Tick Collar for Dogs

1. IDENTIFICATION

Product Name	Preventic® Tick Collar for Dogs
Recommended use of the chemical and restrictions on use	
Identified uses	Tick collar for dogs
Restrictions on Use	Available through licensed veterinarians only. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
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	March 6, 2020
Supersedes Date	September 28, 2015

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

Toxic to Reproduction - Category 2

Acute hazard to the aquatic environment - Category 2 (This classification not adopted by OSHA)

Label Elements

Hazard Symbols



Signal Word: Warning

Hazard Statements

Suspected of damaging fertility or the unborn child.

Toxic to aquatic life.

Precautionary Statements

Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear eye protection, face protection, protective clothing and protective gloves.

Avoid release to the environment.

Response

If exposed or concerned: Get medical advice/attention.

Storage

Store locked up.



2. HAZARD IDENTIFICATION

Disposal

Dispose of contents/container in accordance with local regulation.

Other Hazards

See Section 15 for FIFRA label elements.

Specific Concentration Limits

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

Acute oral toxicity	70 - 80%
Acute dermal toxicity	70 - 80%
Acute inhalation toxicity	75 - 85%
Acute aquatic toxicity	80 - 90%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Amitraz	33089-61-1	9%
Calcium Carbonate	471-34-1	5 - 15%
Calcium Stearate	1592-23-0	1 - 10%
Titanium Dioxide	13463-67-7	0.1 - <1.0%

4. FIRST-AID MEASURES

Description of necessary first-aid measures

Eyes

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.

Skin

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion

Call a poison control center or doctor immediately 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.



5. FIRE-FIGHTING MEASURES

Extinguishing Media

Water spray, carbon dioxide and dry chemical. Use extinguishing media appropriate for surrounding materials.

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

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

Contain and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage

Do not contaminate water, food, or feed by storage. Store in tightly closed original container in a cool, dry, locked place. Keep away from children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Calcium Carbonate

OSHA: PEL 15 mg/m³ 8h TWA, total dust
5 mg/m³ 8h TWA, respirable fraction

Titanium Dioxide

ACGIH TLV: 10 mg/m³ TWA
OSHA PEL: 15 mg/m³ TWA (Total dust)

Calcium Stearate

ACGIH TLV: 10 mg/m³ TWA

Appropriate engineering controls

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Individual protection measures

Respiratory Protection

Not required under normal conditions of use.

Skin Protection

Chemical resistant gloves.

Eye/Face Protection

Safety glasses or goggles.

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State	Solid
Color	Beige
Odor	Mild insecticide
Odor Threshold	No data available
pH	No data available
Specific Gravity	No data available
Boiling Range/Point (°C/F)	Not applicable
Melting Point (°C/F)	Not applicable
Flash Point (PMCC) (°C/F)	Not applicable
Vapor Pressure	Not applicable
Evaporation Rate (BuAc=1)	Not applicable
Solubility in Water	Insoluble
Vapor Density (Air = 1)	Not applicable
VOC	Not applicable
Partition coefficient (n-octanol/water)	Not applicable
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

Data is not available

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures



10. STABILITY AND REACTIVITY

Incompatible Materials

None known.

Hazardous Decomposition Products

Oxides of carbon – nitrogen oxides – hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

See product insert and/or packaging for additional information.

Acute Toxicity

Amitraz:

LD50 Oral (rat) 531 mg/kg (M), 515 mg/kg (F)

LD50 Dermal (rabbit) > 200 mg/kg

LC50 Inhalation (rat) 2.4 mg/L

Specific Target Organ Toxicity (STOT) – single exposure

Amitraz: In human and animal studies reversible central nervous system effects (sedation, disorientation, and hypothermia) were observed.

Specific Target Organ Toxicity (STOT) – repeat exposure

No relevant studies identified.

Serious Eye damage/Irritation

Amitraz: Eye Irritation (rabbit): Non-irritating

Skin Corrosion/Irritation

Amitraz: Dermal Irritation (rabbit): Non-irritating

Respiratory or Skin Sensitization

Amitraz: Dermal Sensitization (guinea pig): Negative

Carcinogenicity

Amitraz: Amitraz is classified as “Suggestive Evidence of Carcinogenicity” based on the 2005 Office of Pesticide Programs cancer guidelines.

Titanium Dioxide: IARC Overall Evaluation is 2B (Possibly carcinogenic to humans) IARC evaluation guidelines consider the generation of tumors, in 2 different studies within the same animal species, to be adequate criteria for an assessment of sufficient evidence. The conclusions of several epidemiology studies on more than 20000 TiO₂ industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO₂ dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO₂ dust. Based upon these studies, titanium dioxide is not expected to cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Germ Cell Mutagenicity

Amitraz: Results of several mutagenic studies indicate that Amitraz is not mutagenic.

Reproductive Toxicity

Amitraz: Adverse effects have been seen in animal reproductive studies.

Aspiration Hazard



11. TOXICOLOGICAL INFORMATION

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Amitraz

LC50 Bluegill Sunfish 0.34 ppm, 96-hr LC50

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by disposal. Do not reuse empty box or pouch. Wrap pouch and put in trash collection. When discarding cut off end and used collar, wrap in newspaper and place in trash collection. Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

United States TSCA Inventory

This product is excluded from TSCA as it regulated under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

Federal Insecticide, Fungicide, and Rodenticide Act

This is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.



15. REGULATORY INFORMATION

Following is the hazard information as required on the pesticide label:

Front Panel:

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

SEE BACK PANEL FOR ADDITIONAL

PRECAUTIONARY STATEMENTS AND DIRECTIONS

DO NOT ALLOW CHILDREN TO PLAY WITH THE COLLAR

DO NOT OPEN UNTIL READY TO USE

Side/Back Panel:

READ ENTIRE LABEL BEFORE EACH USE

USE ONLY ON DOGS. DO NOT USE ON CATS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HAZARDS TO HUMANS: Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water before eating, drinking, chewing gum, or using tobacco.

This collar is intended for use as an acaricide generator and is not to be taken internally by man or animal. Not intended for use on humans. Do not allow children to handle or play with this collar.

Some humans may develop skin irritation through contact with collared pet. Remove collar, shampoo pet and consult physician if irritation persists.

NOTICE: This product contains an ingredient known to the State of California to cause birth defects or other reproductive harm. Wash hands thoroughly after applying this product. Dispose of as instructed below.

Canada DSL Inventory

This product is excluded from DSL listing as it is regulated under the Pest Control Products Act when used as a pesticide.

SARA Title III Sect. 311/312 Categorization

Reproductive Toxicity

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Amitraz

16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists

BOD: Biological Oxygen Demand

CAS#: Chemical Abstracts Service Number

DSL: Domestic Substances List

ECHA: European Chemicals Agency

EPA: Environmental Protection Agency

FIFRA: Federal Insecticide, Fungicide and Rodenticide Act

HDT: Highest Dose Tested

HMIS: Hazardous Materials Identification System IARC: International Agency for Research on Cancer

LC50: Lethal Concentration 50%



16. OTHER INFORMATION

Legend, cont.

LD50: Lethal Dose 50%
LOEL: Lowest Observed Effect Level
N/A: Denotes no applicable information found or available
NFPA: National Fire Protection Association
NOEL: No Observed Effect Level
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
TSCA: Toxic Substances Control Act
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

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Changes made: Update to emergency numbers and section 15.

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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