



# SAFETY DATA SHEET

## Preventic® Tick Collar for Dogs

### 1. IDENTIFICATION

<b>Product Name</b>	Preventic® Tick Collar for Dogs
<b>Recommended use of the chemical and restrictions on use</b>	
<b>Identified uses</b>	Tick collar for dogs
<b>Restrictions on Use</b>	Available through licensed veterinarians only. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
<b>Company Identification</b>	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161
<b>Customer Information Number</b>	(800) 338-3659
<b>Emergency Telephone Number</b>	
<b>Chemtrec Number</b>	(800) 424-9300
<b>Other Emergency Number:</b>	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
<b>Issue Date</b>	September 28, 2015
<b>Supersedes Date</b>	October 9, 2014

*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.



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## 2. HAZARD IDENTIFICATION

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### Response

If exposed or concerned: Get medical advice/attention.

### Storage

Store locked up.

### 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%

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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### 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%

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## 4. FIRST-AID MEASURES

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### 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.



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**4. FIRST-AID MEASURES**

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**Indication of immediate medical attention and special treatment needed**

**Notes to Physicians**

Treat symptomatically.

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**5. FIRE-FIGHTING MEASURES**

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**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.

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**6. ACCIDENTAL RELEASE MEASURES**

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**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.

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**7. HANDLING AND STORAGE**

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**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.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Control parameters**

Exposure limits are listed below, if they exist.

**Calcium Carbonate**

OSHA: PEL 15 mg/m<sup>3</sup> 8h TWA, total dust  
5 mg/m<sup>3</sup> 8h TWA, respirable fraction



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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Titanium Dioxide**

ACGIH TLV: 10 mg/m<sup>3</sup> TWA

OSHA PEL: 15 mg/m<sup>3</sup> TWA (Total dust)

**Calcium Stearate**

ACGIH TLV: 10 mg/m<sup>3</sup> TWA

**Appropriate engineering controls**

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

**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.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**Appearance**

<b>Physical State</b>	Solid
<b>Color</b>	Beige
<b>Odor</b>	Mild insecticide
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Specific Gravity</b>	No data available
<b>Boiling Range/Point (°C/F)</b>	Not applicable
<b>Melting Point (°C/F)</b>	Not applicable
<b>Flash Point (PMCC) (°C/F)</b>	Not applicable
<b>Vapor Pressure</b>	Not applicable
<b>Evaporation Rate (BuAc=1)</b>	Not applicable
<b>Solubility in Water</b>	Insoluble
<b>Vapor Density (Air = 1)</b>	Not applicable
<b>VOC</b>	Not applicable
<b>Partition coefficient (n-octanol/water)</b>	Not applicable
<b>Viscosity</b>	Not applicable
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature</b>	No data available
<b>Upper explosive limit</b>	No data available
<b>Lower explosive limit</b>	No data available
<b>Flammability (solid, gas)</b>	No data available



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**10. STABILITY AND REACTIVITY**

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**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

**Incompatible Materials**

None known.

**Hazardous Decomposition Products**

Oxides of carbon – nitrogen oxides – hydrogen chloride gas

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**11. TOXICOLOGICAL INFORMATION**

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**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.



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**11. TOXICOLOGICAL INFORMATION**

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**Carcinogenicity**

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 TiO<sub>2</sub> industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO<sub>2</sub> dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO<sub>2</sub> 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**

Not an aspiration hazard.

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**12. ECOLOGICAL INFORMATION**

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**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.

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**13. DISPOSAL CONSIDERATIONS**

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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.

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**14. TRANSPORT INFORMATION**

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Contact supplier for transport information.



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**15. REGULATORY INFORMATION**

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**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.

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.

**California Proposition 65**

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: Amitraz

**SARA Title III Sect. 311/312 Categorization**

Delayed (Chronic) Health Hazard

**SARA Title III Sect. 313**

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



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**16. OTHER INFORMATION**

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**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%  
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

Revision Date: September 28, 2015  
Replaces: October 9, 2014  
Changes made: Updated to GHS Classification.

**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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