SAFETY DATA SHEETS

This SDS packet was issued with item:

078360700

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

078011936 078592984 078604284

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
Customer Information Number	(800) 338-3659
Emergency Telephone Number	
Chemtrec Number	(800) 424-9300
Other Emergency Number:	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
Issue Date	September 28, 2015
Supersedes Date	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

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%

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.

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4. FIRST-AID MEASURES

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/m^3 8h TWA, total dust
5 mg/m^3 8h TWA, respirable fraction

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Titanium Dioxide
ACGIH TLV: 10 mg/m^3 TWA
OSHA PEL: 15 mg/m^3 TWA (Total dust)
Calcium Stearate
ACGIH TLV: 10 mg/m^3 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.

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

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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

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.

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11. TOXICOLOGICAL INFORMATION

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_2 industry workers in Europe and the USA did not suggest a carcinogenic effect of TiO_2 dust on the human lung. Mortality from other chronic diseases, including other respiratory diseases, was also not associated with exposure to TiO_2 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.

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.

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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.
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

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

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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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