

SAFETY DATA SHEETS

This SDS packet was issued with item:

078011936

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

078360700 078592984 078604284

MATERIAL SAFETY DATA SHEET**MSDS # 3510-208****Identity: Preventic® Tick Collar for Dogs****Page 1 of 3**

Product Code 609525, 609526, 609540 and 609541

Section I

Supplier Information:

Emergency Telephone Number

Name: VIRBAC CORP. (Virbac AH Inc.,
Allerderm®, Francodex®, Mardel®, St.
JON®, PMResources, Zema®)Transportation: Chemtrec 800-424-9300
Other emergencies:
POISON CONTROL CENTER or 911

Address: P. O. BOX 162059

City: FORT WORTH

State: TX 76161

Telephone Number for Information

Contact Virbac: 800/338-3659

Section II - Hazardous Ingredients/Identity Information

Harmful if absorbed through the skin.

Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

Hazardous Components (Special Chemical Identification; Common Name)	OSHA PEL	ACGIH TLV	STEL	CAS #	% (opt.)
AMITRAZ	Not Applicable	Not Applicable	Not Applicable	33089-61-1	9.0%

This product contains an ingredient known to the State of California to cause birth defects or other reproductive harm.

Section III - Physical/Chemical Characteristics

Boiling Point:	Not Applicable
Specific Gravity (H ₂ O = 1):	Not Applicable
Vapor Pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor Density (AIR = 1):	Not Applicable
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water:	Insoluble
Appearance and Odor:	A soft, beige plastic pet collar with a mild insecticide odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	Not Flammable.
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials.
Special Firefighting Procedures:	Firefighters should wear self-contained breathing apparatus and full protective equipment in fire situations.
Unusual Fire and Explosion Hazards:	Not Applicable

Section V - Reactivity Data

Stability	STABLE
Incompatibility	(Materials to Avoid): Oxidizers
Hazardous Decomposition or Byproducts:	When heated to decomposition, tick collars may produce toxic or harmful combustion products.
Hazardous Polymerization	WILL NOT OCCUR
Conditions to Avoid:	None

Section VI - Health Hazard Data

Routes of Entry:	Inhalation? NO	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic):	Mild transient sedation after ingestion and irritation after eye exposure to ground collar material are possible.		
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO

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Section VI - Health Hazard Data (continued)

Signs and Symptoms of Exposure:

Transient sedation or convulsions, ataxia, hyperexcitability, skin irritation has been observed following exposure to the technical active ingredient and emulsifiable concentrates. Transient sedation has been observed in rodents fed ground collar material and transient eye irritation after exposure to powdered collar.

Medical Conditions Generally Aggravated by Exposure:

None presently known.

Emergency and First Aid Procedures

INGESTED: If swallowed, contact a physician or the Poison Control Center, immediately.

SKIN CONTACT: Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a Poison Control Center or doctor for treatment advice.

EYE CONTACT: 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 eye. Call a Poison Control Center or doctor for treatment advice.

INHALATION: Not applicable

Advice to Veterinarian and/or Emergency Clinic

TREATMENT PROTOCOL FOR TICK ARREST COLLAR INGESTION BY DOGS

1. Induce vomiting (Syrup of Ipecac or Hydrogen Peroxide) if vomiting has not occurred.
2. Since amitraz is not a cholinesterase-depressing drug, atropine and/or 3PAM are contraindicated, as are tranquilizers and sedatives.
3. Administer a non-oily laxative (oily-based laxatives may increase the extraction of amitraz from the collar and facilitate greater absorption). An enema to evacuate the colon may be administered about 12-18 hours after ingestion, if diarrhea has not occurred or the laxative does not produce the desired results.
4. Depending on the degree of depression and the veterinarian's concern (e.g. dog cannot be roused); yohimbine (Yobine, Lloyd Laboratories) may be administered at 0.1 mg/kg intravenously. Since yohimbine's action is of short duration, it may need to be repeated until the dog's condition spontaneously improves. Severely depressed animals should be hospitalized with constant supervision.
5. Oral activated charcoal based toxin absorbers may help to bind any released amitraz.
6. If it is suspected that a coiled length of collar may be lying in the stomach or the depression is severe and prolonged, an abdominal X-ray may be indicated. If gastronomy or enterotomy is to be performed (none of the cases so far reported would justify this action), xylazine should be avoided and general anesthetics administered with extreme caution.

NOTE: You may also contact the National Animal Poison Control Hot Line is 1-800-345-4735 for emergency medical treatment information for your pet.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:

Not Applicable

Waste Disposal Method:

Do not reuse empty pouch, box or collar. 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 federal, state, and local laws.

Precautions to be Taken in Handling or Storage:

Store in original container in locked storage area.

Other Precautions:

Keep out of the reach of children.

Do not allow children to play with collar.

Do not open until ready to use.

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Section VIII - Control Measures

Respiratory Protection: None required.

Ventilation

Local Exhaust:

Not Applicable

Special:

Not Applicable

Mechanical (General):

Not Applicable

Protective Gloves:

Rubber gloves for prolonged or repeated exposure

Eye Protection:

Not Required.

Other Protective Clothing or Equipment:

Not Required.

Work/Hygienic Practices:

Avoid prolonged or repeated contact with this product.

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Section IX - Additional Information

Allerderm and St. JON are registered trademarks of Virbac AH, Inc.

Preventic and Francodex are registered trademarks of VBSA.

Mardel and Zema are registered trademarks of Virbac Corporation.

Disclaimer of Expressed and Implied Warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibility for safety and use not in accordance with label instructions.

EPA Registration Number: 2382-104

Prepared by Regulatory Affairs Department

New MSDS Dated: December 5, 2007

Supersedes MSDS Date: April 3, 2007



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:	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.



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.



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/m³ 8h TWA, total dust
5 mg/m³ 8h TWA, respirable fraction



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

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
Color

Solid

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

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.



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 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

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.

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



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

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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