

MATERIAL SAFETY DATA SHEET**MSDS # 3510-402****Identity: Virbac® Knockout Area Treatment
with Nylar® (Pyriproxyfen) Insect Growth Regulator****Page 1 of 3**

Product Code 612014

Section I

Supplier Information:

Emergency Telephone Number

Name: VIRBAC CORP.
Virbac AH Inc.
Address: P. O. BOX 162059
City: FORT WORTH
State: TX 76161Transportation: Chemtrec 800-424-9300
Other emergencies:
POISON CONTROL CENTER or 911
Telephone Number for Information
Contact Virbac: 800/338-3659**Section II - Hazardous Ingredients/Identity Information**

Contents under pressure. Keep away from heat, sparks and open flame.

Do not puncture or incinerate container.

Exposure to temperatures above 130°F may cause bursting.

Harmful if swallowed, inhaled or absorbed through the skin.

Avoid breathing vapors or spray mist.

Avoid contact with eyes, skin or clothing.

Hazardous Components (Special Chemical Identification; Common Name)	OSHA PEL	ACGIH TLV	STEL	CAS #	% (opt.)
Pyriproxyfen	Not Applicable	Not Applicable	Not Applicable	95737-68-1	0.015%
Tetramethrin	Not Applicable	Not Applicable	Not Applicable	7696-12-0	0.400%
Phenothrin	Not Applicable	Not Applicable	Not Applicable	26002-80-2	0.300%
LPA Solvent	Not Applicable	Not Applicable	Not Applicable	64742-47-8	99.285
Propellant A-46					
Propane	Not Applicable	100 ppm	Not Applicable	74-98-6	
Butane	Not Applicable	800 ppm	Not Applicable	75-28-5	

Section III - Physical/Chemical Characteristics

Boiling Point:	Not Applicable
Specific Gravity (H ₂ O = 1):	1.024
Vapor Pressure (mm Hg):	Not Applicable
Melting Point:	Not Applicable
Vapor Density (AIR = 1):	1.0
Evaporation Rate (Butyl Acetate = 1):	Not Applicable
Solubility in Water:	Dispersible
Appearance and Odor:	Opaque liquid concentrate with solvent/insecticidal odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	>200°F (Tag Closed Cup).
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Do not spray into open flame or onto very hot surfaces. Dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials. Water may be used to cool drums.
Special Firefighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals. Firefighters should use protective shielding to avoid being hit by rupturing containers.
Unusual Fire and Explosion Hazards:	Contents under pressure. Exposure to temperatures above 130°F may cause bursting.

Identity: Virbac® Knockout Area Treatment
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Page 2 of 3

Product Code 612014

Section V - Reactivity Data

Stability	Stable
Incompatibility	(Materials to Avoid): Heat and open flame.
Hazardous Decomposition or Byproducts:	Products of combustion are principally carbon dioxide, carbon monoxide, and water.
Hazardous Polymerization	WILL NOT OCCUR
Conditions to Avoid:	Do not spray into open flame or onto very hot surfaces. Do not store above 130°F. Do not store near open flame.

Section VI - Health Hazard Data

Routes of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic): None presently known.

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
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Signs and Symptoms of Exposure: May cause temporary discomfort to the eyes.
May cause mild skin irritation
Slight irritation to respiratory passages.
Amounts transferred to the mouth by fingers, etc., during normal operation should not cause injury.

Medical Conditions Generally Aggravated by Exposure: None presently known.

Emergency and First Aid Procedures

INGESTED: If swallowed immediately call a physician or Poison Control Center. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

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 eyes open and rinse eyes slowly and gently with water for a minimum of 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes. Call a Poison Control Center or a physician for treatment advice.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

Note: Have the product container or label with you when calling a Poison Control Center or physician, or going for treatment.
You may also contact the National Animal Poison Control Hot Line at 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:	Remove ignition sources. Use absorbent material to collect and contain for salvage or disposal. Ventilate area. This product contains no CERCLA listed chemicals.
Waste Disposal Method:	If empty place in trash or offer for recycling if available. For partially filled containers, call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Do not contaminate water, food or feed by storage or disposal.
Precautions to be Taken in Handling or Storage:	Do not store above 130°F. Do not store near open flames. Avoid contamination of feed and foodstuff. Do not use in commercial food processing, preparation, food storage or serving areas. In the home, all food processing surfaces and utensils should be covered during treatment or thoroughly washed before use. Exposed food should be covered or removed. Remove pets, birds and cover fish aquariums before spraying.

Identity: Virbac® Knockout Area Treatment
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Page 3 of 3

Product Code 612014

Other Precautions:

Keep out of the reach of children.
Contents under pressure.
Keep away from heat, sparks and open flame.
Do not puncture or incinerate.
Exposure to temperatures above 130°F may cause bursting.
Use only at normal room temperature
Read and follow directions on product label.
Harmful if swallowed or absorbed through the skin.
Avoid breathing mist or vapor.
Avoid contact with eyes, skin or clothing.

Section VIII - Control Measures

Respiratory Protection:	No respiratory protection required when used according to label directions. Use only in a well-ventilated area. Use only at room temperature.	
Ventilation	Local Exhaust:	Use only in a well-ventilated area.
	Special:	Not Applicable
	Mechanical (General):	Not Applicable
Protective Gloves:	Solvent resistant gloves are highly recommended.	
Eye Protection:	NIOSH approved safety glasses or goggles.	
Other Protective Clothing or Equipment:	None required when used according to label. Professional groomers or applicators (those with repeated and extended exposure) should wear goggles, an OSHA approved respirator, apron, and rubber gloves at a minimum when working with this and other similar products.	
Work/Hygienic Practices:	Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Good practice requires that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.	

Section IX - Additional Information

DOT Proper Shipping Name: (49 CFR 172.101) Consumer Commodity.
DOT Hazard Class (49 CFR 172.101) ORM-D
Generic Description: Insecticidal Aerosol

REGULATORY REQUIREMENTS: This product is not subject to reporting requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Virbac is a registered trademark of VBSA.

Nylar is a registered trademark of McLaughlin Gormley King and Company.

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.

Prepared by Regulatory Affairs Department
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