

Identity: Virbac® Long-Acting Knockout Flea and Tick Spray  
with NYLAR® Insect Growth Regulator

Product Code 605316

Page 1 of 3

**Section I**

Supplier Information:

Emergency Telephone Number

Name: VIRBAC CORP.  
Virbac AH Inc.  
Address: P. O. BOX 162059  
City: FORT WORTH  
State: TX 76161

Transportation: 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**

Combustible. Do not use or store near heat or open flame.  
Harmful if swallowed inhaled or absorbed through the skin.  
Do not breathe vapors or spray mist.  
Avoid contact with skin or eyes

Hazardous Components (Special Chemical Identification; Common Name)	OSHA PEL	TWA	STEL	CAS #	% (opt.)
Permethrin	Not Established	Not Established	Not Established	52645-53-1	2.00%
Pyriproxyfen	Not Established	Not Established	Not Established	95737-68-1	0.050%
Other Ingredients	Not Established	Not Established	Not Established		97.95%

**Section III - Physical/Chemical Characteristics**

Boiling Point: Not Applicable  
Specific Gravity (H<sub>2</sub>O = 1): Not Applicable  
Vapor Pressure (mm Hg): Not Applicable  
Percent Volatile by Volume: Not Applicable  
Vapor Density (AIR = 1): Not Applicable  
Evaporation Rate (Butyl Acetate = 1): Not Applicable  
Solubility in Water: Insoluble  
Appearance and Odor: Straw colored liquid with floral odor.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used): 0°F, 32°C Setflash  
Flammable Limits: Unknown  
Unknown  
Extinguishing Media: Foam, carbon dioxide, or dry chemical suitable for the surrounding fire and materials.  
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: Keep vapors away from possible ignition sources.

**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.

Identity: Virbac® Long-Acting Knockout Flea and Tick Spray  
with NYLAR® Insect Growth Regulator

Product Code 605316

Page 2 of 3

**Section VI - Health Hazard Data**

Routes of Entry: Inhalation? YES Skin? YES Ingestion? YES

Health Hazards (Acute and Chronic): None presently known.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

Signs and Symptoms of Exposure: Causes moderate eye irritation. Avoid contact with eyes or clothing. Avoid breathing spray mist.

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 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. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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.

Waste Disposal Method: If empty place in trash or offer for recycling if available. For partially filled containers, call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain. Do not contaminate water, food or feed by storage or disposal.

**Section VII - Precautions for Safe Handling and Use (continued)**

Precautions to be Taken in Handling or Storage: Store in an area away from heat or open flame. Keep away from fire, sparks, and heated surfaces.

Other Precautions: Keep out of the reach of children. 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

---

**Identity: Virbac® Long-Acting Knockout Flea and Tick Spray  
with NYLAR® Insect Growth Regulator**

Product Code 605316

**Page 3 of 3**

---

Work/Hygienic Practices:

extended exposure) should wear goggles, an OSHA approved respirator, apron, and rubber gloves at a minimum when working with this and other similar products.

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

REGULATORY REQUIREMENTS: This product is subject to reporting requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Contains Pyrethrin a CERCLA listed chemical.

SARA 313 INFORMATION: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Chemical Name	CAS Number	Concentration
Pyrethrin	8003-34-1	1 lb.

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

New MSDS Dated: February 23, 2009

Supersedes MSDS Date: September 16, 2003