

Identity: KetoCHLOR® Shampoo with Spherulites® for Dogs, Cats and Horses
Anti-Irritant and Adhesive Technology™

Page 1 of 3

Product Code 002808, 002810, 002816

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

Telephone Number for Information

State: TX 76161

Contact Virbac: 800/338-3659

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	STEL	CAS #	% (opt.)
Non Hazardous as defined by 29CFR Part 1910.1200					
(Special Chemical Identification; Common Name)					
Active Ingredients					
Chlorhexidine Gluconate	Not Applicable	Not Applicable	Not Applicable	18472-51-0	2.3 % w/w
Ketoconazole	Not Applicable	Not Applicable	Not Applicable	665277-42-1	1% w/w
Ingredients					
Purified Water	Not Applicable	Not Applicable	Not Applicable	7732-18-5	
Sodium (C14-16) Olefin Sulfonate	Not Applicable	Not Applicable	Not Applicable	68439-57-6	
Cocamidopropyl Betaine	Not Applicable	Not Applicable	Not Applicable	61789-40-0	
Spherulites ®	Not Applicable	Not Applicable	Not Applicable		
Cetareth-60 Myristyl Glycol	Not Applicable	Not Applicable	Not Applicable		
Alkylpolyglucoside	Not Applicable	Not Applicable	Not Applicable		
Chitosan Succinamide	Not Applicable	Not Applicable	Not Applicable		
Lactic Acid	Not Applicable	Not Applicable	Not Applicable	50-21-5	
Fragrance	Not Applicable	Not Applicable	Not Applicable		
Polyquarterm-7	Not Applicable	Not Applicable	Not Applicable		
Monosaccharides	Not Applicable	Not Applicable	Not Applicable		
Methylchloroisothoniazolinone	Not Applicable	Not Applicable	Not Applicable		
Methylisothiazoloinone	Not Applicable	Not Applicable	Not Applicable		
FD&C Red #4	Not Applicable	Not Applicable	Not Applicable	4548-53-2	
May Contain:					
Sodium Hydroxide	Not Applicable	Not Applicable	Not Applicable	1310-73-2	
Lactic Acid	Not Applicable	Not Applicable	Not Applicable	50-21-5	
Sodium Chloride	Not Applicable	Not Applicable	Not Applicable	7647-14-5	

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:	Complete
Appearance and Odor:	Cloudy to hazy yellow/orange liquid with characteristic odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used):	Not Applicable
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:	Not Applicable

Identity: KetoCHLOR® Shampoo with Spherulites® for Dogs, Cats and Horses
Anti-Irritant and Adhesive Technology™

Page 2 of 3

Product Code 002808, 002810, 002816

Unusual Fire and Explosion Hazards: Not Applicable

Section V - Reactivity Data

Stability	STABLE
Incompatibility	(Materials to Avoid): Strong oxidizer agents.
Hazardous Decomposition or Byproducts:	None
Hazardous Polymerization	WILL NOT OCCUR
Conditions to Avoid:	Not Applicable

Section VI - Health Hazard Data

Routes of Entry:	Inhalation? NO	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic):	None known.		
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure:	Possible irritant to skin or eyes. Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea and diarrhea.		
Medical Conditions Generally Aggravated by Exposure:	None presently known.		

Emergency and First Aid Procedures

INGESTED: If appreciable quantities are swallowed, call a physician or the Poison Control Center. Do not induce vomiting. Never give anything by mouth to an unconscious person.

SKIN CONTACT: If irritation develops, discontinue use or wear rubber gloves. Wash affected area with soap and water. If irritation persists, contact a physician

EYE CONTACT: Immediately rinse eyes with water for a minimum of 15 minutes holding eye open. Remove contact lenses, if present, after the first 5 minutes. Call a physician if irritation persists.

INHALATION: If symptoms of overexposure are noted, reduce exposure by supplying fresh air. Should not cause breathing problems.

Note to Physician:

This solution has a low oral and dermal toxicity, and is minimally irritating to the eyes and practically non-irritating to the skin. Treatment is controlled removal of exposure followed by symptomatic and supportive care.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled:	Dike and contain spill. Mop up, flush with water.
Waste Disposal Method:	Small amounts-flush down drain. Large amounts should be disposed in a sanitary landfill.
Precautions to be Taken in Handling or Storage:	Store at controlled room temperature of 59 – 87°F.
Other Precautions:	Keep out of the reach of children. For animal use only. For external use only. Avoid contact with eyes or mucus membranes. Not for otic use.

Section VIII - Control Measures

Respiratory Protection:	Not necessary under recommended conditions of use.	
Ventilation	Local Exhaust:	Not Applicable
	Special:	Not Applicable
	Mechanical (General):	Not Applicable
Protective Gloves:	Rubber gloves, if necessary.	
Eye Protection:	NIOSH approved safety glasses or goggles, if splashing may occur.	
Other Protective Clothing or Equipment:	None required.	
Work/Hygienic Practices:	Wash hands after using.	

**Identity: KetoCHLOR® Shampoo with Spherulites® for Dogs, Cats and Horses
Anti-Irritant and Adhesive Technology™****Page 3 of 3**Product Code 002808, 002810, 002816

Section IX - Additional Information

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

Spherulites and Francodex are registered trademarks of VBSA.

Mardel and Zema are registered trademarks of Virbac Corporation.

Anti-Adhesive Technology is a trademark 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.

Prepared by Regulatory Affairs Department

New MSDS Dated: September 25, 2006

Supersedes MSDS Date: Not Applicable.