

SAFETY DATA SHEET

CM2 Flea & Tick Shampoo

Section 1: Identification of the Product	
Product identifier:	Amber liquid with characteristic floral smell.
Distributor Name:	Animal Pharmaceuticals
Distributor Address:	3580 N.W. 56 St. Suite 300 Ft. Lauderdale, FL 33309
Distributor Phone Number:	800-558-9934 / US & Canada:800-424-9300 / Other Areas: 703-527-3887
Emergency Phone Number:	888-740-8712
Recommended Use:	Shampoo for animal use only
Active Ingredients:	Pyrethrins; Piperonyl Butoxide; MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)

Section 2: Hazard(s) Identification			
PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS	HAZARDS TO HUMANS AND DOMESTIC ANIMALS: WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin, or clothing. Harmful if inhaled. Avoid breathing product vapor. If available, wear protective eyewear such as goggles or safety glasses. Wear gloves made out of any waterproof material. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.		
	PHYSICAL OR CHEMICAL HAZARDS. Combustible. Do not use or store near heat or open flame.		
Potential Health Effects:	EYES: Causes substantial but temporary eye injury. SKIN: Can cause skin irritation. Can cause a burning or prickling sensation on more sensitive areas (face, eyes, and mouth). SKIN ABSORPTION: May be harmful if absorbed through the skin. INGESTION: May be harmful if swallowed. INHALATION: Harmful if inhaled.		
Signs and Symptoms of overexposure:	CHRONIC EFFECTS: None known.		
GHS LABEL	Exclamation mark (GHS 07)	Health hazard (GHS 08)	Environment (GHS 09)
SIGNAL WORD: WARNING	HAZARD STATEMENTS H227: Combustible liquid. H317: May cause an allergic skin reaction. H305: May be harmful if swallowed and enters airways. H333: May be harmful if inhaled.		
Prevention:	P202: Do not handle until all safety precautions have been read and		

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	understood. P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P270: Do not eat, drink, or smoke when using this product. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Storage:	P403+P233: Store in a well-ventilated place. Keep container tightly closed. P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Disposal:	P501: Dispose of contents/container to an approved waste disposal plant.
COMMENTS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	

Section 3: Composition / Information on Ingredients			
Chemical Name	Wt.%	CAS	EINECS
Pyrethrins	0.150	008003-34-7	232-319-8
*Piperonyl Butoxide	0.300	000051-03-6	200-076-7
**GK®-264 (N-Octyl Bicycloheptene Dicarboximide)	0.479	000113-48-4	204-029-1
The specific chemical identity and exact percentage of composition has been withheld as a trade secret. *Equivalent to (butylcarbityl) (6-propylpiperonyl) ether and related compounds **MGK® 264 Insecticide Synergist			

Section 4: First-Aid Measures	
INHALATION:	Move affected person to fresh air. If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further 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.
SKIN CONTACT OR	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.

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CLOTHING:	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information regarding medical emergencies or pesticide incidents, call 1-888-740-8712.	
Section 5: Fire-Fighting Measures	
FLASHPOINT AND METHOD:	71.1 °C (160°F) TAG Closed Cup
FLAMMABLE CLASS:	OSHA-COMBUSTIBLE LIQUID
EXTINGUISHING MEDIA:	Foam, carbon dioxide or dry chemical.
HAZARDOUS COMBUSTION PRODUCTS:	Under fire conditions this product will support combustion and may decompose to give off toxic gases such as carbon monoxide, carbon dioxide, and nitrogen oxides.
FIRE FIGHTING PROCEDURES:	Treat as an oil fire. Use a full-faced self-contained breathing apparatus along with full protective gear. Keep nearby containers and equipment cool with a water stream.

Section 6: Accidental Release Measures	
SMALL SPILL:	Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.
LARGE SPILL:	Shut off ignition sources. Stop release, if possible without risk. Dike or contain release, if possible, and if immediate response can prevent further damage or danger. Isolate and control access to the release area. Take actions to reduce vapors. Collect product into drums, etc. via drains, pumps, etc. Absorb with appropriate absorbent. Clean spill area of residues and absorbent.
ENVIRONMENTAL PRECAUTIONS	Contains Pyrethrins, which are toxic to fish and other aquatic invertebrates. Contaminated absorbent and wash water should be disposed of according to local, state, and federal regulations.

Section 7: Handling and Storage	
General Precaution:	It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE EACH USE. USE ONLY ON HORSES, FERRETS, DOGS AND CATS. Follow all precautions and directions. Do not use or store near heat, sparks, open flame, or any other ignition sources.

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Handling:	Take prudent precautions to avoid contact with skin, eyes, and clothing. ALWAYS wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield when handling this material. Mechanical ventilation should be used when handling this product in enclosed spaces. Wearing a respirator is not normally required when handling this product, but recommended in the absence of proper mechanical ventilation. Do not contaminate water, food or feedstuffs by storage, handling or disposal. READ AND OBSERVE ALL PRECAUTIONS AND INSTRUCTIONS ON THE LABEL.
Storage:	Store in a cool dry area. Always store pesticides in the original container. Store away from food and pet food. Keep container closed. Do not use or store near heat, sparks, open flame, any ignition sources, or near strong acids, bases, and oxidizers. Emptied containers may retain product residues.
	KEEP OUT OF REACH OF CHILDREN.

Section 8: Exposure Controls / Personal Protection							
OSHA HAZARDOUS COMPONENTS (29 CFR 191.01200)							
				EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m³	ppm	mg/m³	ppm	mg/m³
Pyrethrins	TWA		5		5		
Piperonyl Butoxide	TWA	None		None		None	
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	TWA	None		None		None	
(Trade Secret #1)	TWA		10		10	None	
	STE L		20		20		
OSHA TABLE COMMENTS: 1. Skin exposure							
ENGINEERING CONTROLS:	Mechanical ventilation should be used when handling this product in enclosed spaces. Local exhaust ventilation may be necessary.						
PERSONAL PROTECTIVE EQUIPMENT							
EYES AND FACE:	Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full-face shield.						
SKIN:	Take prudent precautions to avoid contact with skin and clothing.						

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	Wear a long-sleeved shirt and long pants, shoes and socks.
RESPIRATORY:	Wearing a respirator is not normally required when handling this product. Use in well ventilated areas. Take prudent precautions to avoid breathing vapors and/ or spray mists of this product.
WORK HYGIENIC PRACTICES:	DO NOT SMOKE, EAT, OR DRINK, OR APPLY COSMETICS IN WORK AREA! Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking, or using the toilet.

Section 9: Physical and Chemicals Properties

APPEARANCE:	Amber liquid with characteristic floral smell.
pH:	6.2
MELTING POINT:	NO INFORMATION
BOILING POINT:	NO INFORMATION
FLASH POINT:	71.1 °C (160°F)
EVAPORATION RATES:	NO INFORMATION
FLAMMABLE LIMITS:	Ignition sources and temperatures above 140 degrees F
VAPOR PRESSURE:	NO INFORMATION
VAPOR DENSITY:	Heavier than air.
RELATIVE DENSITY:	NO INFORMATION
SOLUBILITY IN WATER:	Miscible in water
AUTOIGNITION TEMPERATURE:	NO INFORMATION
DESCOMPOSITION TEMPERATURE:	NO INFORMATION
VISCOSITY:	1100 CPS at 24°C (75.2°F) Brookfield
SPECIFIC GRAVITY:	1.070 (Water = 1) at 20°C (68°F)

Section 10: Stability and Reactivity

REACTIVITY:	NONE UNDER NORMAL CONDITIONS
STABILITY:	STABLE
CONDITIONS TO AVOID:	COMPATIBLE WITH STRONG ACIDS OR BASES. COMPATIBLE WITH STRONG OXIDIZERS.
HAZARDOUS POLYMERIZATION:	NONE UNDER NORMAL CONDITIONS

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Section 11: Toxicological Information	
ACUTE:	DERMAL $LD_{50} > 5000$ mg/kg
	Notes: Albino rabbit.
	ORAL $LD_{50} > 5000$ mg/kg
	Notes: Albino rat.
	INHALATION LC_{50}
	Notes: The Acute Inhalation LC_{50} of this material places it in EPA Toxic Category III.
EYE EFFECTS:	Severely irritating to both the unrinsed and rinsed eye. All ocular irritation cleared within 17 days post treatment.
SKIN EFFECTS:	Moderate irritation at 72 hours. Produced a primary skin irritation index of 4.3
SENSITIZATION:	Negative; Not considered to be a dermal sensitizer to albino guinea pigs.
COMMENTS:	None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as being carcinogens.
<p>Carcinogenicity/ Oncogenicity-Pyrethrum has been tested in chronic feeding studies in mice and rats. Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following high doses of Pyrethrum. Further detailed scientific studies into the mechanism causing these responses indicate that these effects in the animals only occur at doses greatly exceeding the likely human exposure levels. Thus, the effects seen in animals are of little relevance to humans.</p> <p>Marginally higher incidences of benign liver tumors in mice were observed following lifetime high dose exposures to PBO. The significance of these observations is questionable and under review. The doses at which tumors were observed for PBO greatly exceeded potential human exposure from labeled uses. Doses at which these effects were observed greatly exceed anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.</p>	

Section 12: Ecological Information
ECOTOXICOLOGICAL INFORMATION: This product is toxic to aquatic organisms, including fish and invertebrates. Drift and runoff may be hazardous to aquatic organisms in

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water adjacent to treated areas. This product may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash-waters or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters, unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Section 13: Disposal Considerations	
<p>DISPOSAL METHOD: IF EMPTY: Do not reuse this container. Place in trash or offer for recycling if available. Triple-rinse container (or equivalent) promptly after emptying. Then, offer for recycling if available, or reconditioning if appropriate, or puncture and dispose of container in a sanitary landfill, or by other procedures approved by state and local authorities. IF PARTLY FILLED: Call your local solid waste agency for disposal instructions. Never place unused product drain.</p> <p>RCRA/EPA WASTE INFORMATION: This product contains the following RCRA/CERCLA waste/substances: Component, RCRA ID#, Cercla RQ: Pyrethrins, N/A, 1 lb.</p>	<p>Down any indoor or outdoor hazardous</p>

Section 14: Transport Information	
DOT (DEPARTMENT OF TRANSPORTATION)	
PROPER SHIPPING NAME:	Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

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PRIMARY HAZARD CLASS/DIVISION:	Non-Hazardous
REPORTABLE QUANTITY (RQ) UNDER CERCLA:	1 Lb.
OTHER SHIPPING INFORMATION:	This material is not regulated as a hazardous material by the DOT in quantities less than 666.7 Lbs. (74.7Gallons). DOT Shipping name for quantities more than 666.7 Lbs. (74.7 Gallons): Environmentally Hazardous Substance, Liquid N.O.S. RQ (Pyrethrins) 9,UN3082, III
AIR (ICAO/IATA)	
SHIPPING NAME:	Insecticides, Insect or Animal Repellent, Liquid, N.O.S.
VESSEL (IMO/IMDG)	
SHIPPING NAME:	Not Available

Section 15: Regulatory Information
<p>UNITED STATES SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) FIRE: Yes PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes 313 REPORTABLE INGREDIENTS: This product contains no SARA Title III Section 313 chemicals that exceed the reporting limits. 302/304 EMERGENCY PLANNING EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation (40 CFR 355). See Section 13 of this MSDS for the components that are subject to emergency requirements under CERCLA Section 103(a)(40 CFR 302.4). TSCA (TOXIC SUBSTANCE CONTROL ACT) TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act's inventory reporting requirements. REGULATIONS STATE REGULATIONS VOLATILE ORGANIC COMPOUNDS (VOC): This product contains less than 1% VOC's.</p>

Section 16: Other Information	
Preparation Date:	10/28/2015
Revision Date:	10/28/2015

EPA Reg. No. 1021-1723-84475
EPA Est. No. 72151-FL-001

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