

# MATERIAL SAFETY DATA SHEET

## Bengal Flea & Tick Shampoo

### 1. COMPANY & PRODUCT INFORMATION

**Product:** Bengal Flea & Tick Shampoo for Dogs and Cats

**EPA Reg. No.** 1021-1723-68543

**Emergency Telephone No.:** (225) 753-1313 (24 hours)

### 2. HAZARDOUS INGREDIENTS\*

Chemical Name	Wt.%	
Pyrethrins	0.15%	CAS # 8003-34-7
Piperonyl Butoxide	0.30%	CAS # 0051-03-6
MGK®-264 (N-Octyl Bicycloheptene Dicarboximide)	0.50%	CAS # 113-48-4
Petroleum Distillates	< 1.0%	CAS # 64742-47-8
Remaining Ingredients are a Trade Secret.		

**COMMENTS:** Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS: WARNING.** Causes substantial but temporary eye injury. Harmful if inhaled. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or spray mists of this product. Wear OSHA-approved safety glasses with side-shields, safety goggles, or a full face-shield.

**OSHA-COMBUSTIBLE LIQUID.** Do not use or store near heat, sparks, open flame, or any other ignition sources.

#### 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, 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.

**COMMENTS:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

### 4. 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 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:** If swallowed, IMMEDIATELY call a poison control center or doctor for treatment advice. DO NOT give any liquid to the person. Do not induce vomiting unless told to do so by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove 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.

**NOTES TO PHYSICIAN:** For skin effects, a highly efficient therapeutic agent for pyrethrin exposure is topical application of tocopherol acetate (Vitamin E).

### 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.

### 6. SPILL/LEAK PROCEDURES

**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

**WATER SPILL:** 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.

This document has been prepared to meet the requirements of the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Do not use or store near heat, sparks, open flame, or any other ignition sources.

**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, well-ventilated place. Keep container closed. Do not use or store near heat, sparks, open flame, any ignition sources, or near strong acids, bases, and oxidizers. Always store pesticides in the original container. Store away from food and pet-food.

#### KEEP OUT OF REACH OF CHILDREN.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

#### 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.

**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.

### 9. PHYSICAL PROPERTIES

**PHYSICAL STATE:** Liquid **ODOR:** Floral odor.

**APPEARANCE:** Amber liquid. **pH:** 6.2

**VAPOR PRESSURE:** Not Determined

**VAPOR DENSITY:** Heavier than air.

**FREEZING POINT:** Not Determined

**FLASHPOINT AND METHOD:** 71.1°C (160°F) TAG Closed Cup

**SOLUBILITY IN WATER:** Miscible in water

**SPECIFIC GRAVITY:** 1.070 (Water = 1) at 20°C (68°F)

**VISCOSITY #1:** 1100 CPS at 24°C (75.2°F) Brookfield (VOC): < 1.000

## 10. STABILITY & REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Not compatible with strong acids or bases.  
Not compatible with strong oxidizers.

## 11. TOXICOLOGICAL

ACUTE DERMAL LD50: > 5000 mg/kg Notes: Albino rabbit.

ORAL LD50: > 5000 mg/kg Notes: Albino rat.

INHALATION LC50: The Acute Inhalation LC50 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.

Carcinogenicity/ Oncogenicity - Slightly elevated incidences of benign tumors of the thyroid and liver were seen in rats following lifetime administration of high doses of Pyrethrins. Further detailed scientific studies into the mode of action responsible for these effects show that:

1) Because of biological species differences, the rat thyroid tumors are not relevant to humans.

2) The rat liver tumors occur in animals only at doses greatly exceeding human exposure levels and that cause cell proliferation (mitogenesis).

Based on these data, the USEPA has classified Pyrethrins as "Not Likely to be Carcinogenic to Humans," at doses that do not cause a mitogenic response in the liver/ cell proliferation. Thus, Pyrethrins can be considered to be noncarcinogenic at exposure levels relevant to human use of Pyrethrins-containing products.

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 exceeded anticipated human dietary intake. At anticipated dietary exposure levels, it is highly unlikely that this product will result in carcinogenic effects.

## 12. ENVIRONMENTAL INFORMATION

**ENVIRONMENTAL DATA:** Environmental data not available for this product.

## 13. DISPOSAL

**DISPOSAL METHOD:**

**IF EMPTY:** Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

**IF PARTLY FILLED:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**RCRA/EPA WASTE INFORMATION:** This product contains the following RCRA/CERCLA Hazardous wastes/substances:

Pyrethrins, CERCLA RQ = 1 Lb.

## 14. TRANSPORTATION INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Insecticides, Insect or Animal Repellent, Liquid, N.O.S.

**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).

## 15. REGULATORY INFORMATION

**HMIS Ratings:** Health: 2 Fire: 2 Physical Hazard: 1

**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.

**STATE REGULATIONS:**

**VOLATILE ORGANIC COMPOUNDS (VOC):** less than 1% VOC's.

US EPA Signal Word: WARNING

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