

# MATERIAL SAFETY DATA SHEET (3 Pages)

ShowSeason™ Animal Products, Inc. 4980 Hammermill Road, Tucker, GA 30084  
678-382-0218 For Emergencies Call: 1-888-686-7469



## SECTION 1- Identification

Product: ParvoKill™

## SECTION 2 -Hazardous Ingredients & Exposures

Chemical Description: Green Liquid Ingredients: Trade Secret

Hazards Identification: Danger! Corrosive. May be corrosive to eyes. May cause moderate to severe skin irritation. May be harmful if swallowed. Eyes: May be corrosive to eyes. Skin: Severely irritating to skin and may cause burns. This product may be harmful if it is absorbed through the skin.

<b>HMIS HAZARD RATING INFORMATION: 0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe</b>				
Flammability: 1	Health: 3	Reactivity: 0	PPE:X	

## SECTION 3 -Physical/Chemical Characteristics

Boiling Point: 100 C 212 F

Specific Gravity: (1.052 g/ml), 8.75 lb./gal.

Vapor Pressure (mmHg): Not Det.

Evaporation Rate (water=1):Est. slower than ethyl ether.

Vapor Density (air=1):Est. Heavier than Air

Solubility in Water: Complete

Appearance & Odor: Lt. Green/Pleasant

pH Value: 11.5

RVOC: less than 1%

Percent Volatile: 65-75% w/w

## SECTION 4- Fire and Explosion Hazard Data

Flash Point: 201 F 93.9 C

Explosion Characteristics: N/A

Flammable Limit: Not Determined

Solubility in Water: Complete

Extinguishing Media: Dry chemical, carbon dioxide, foam, water fog.

Special Fire Fighting Equipment: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## SECTION 5- Reactivity Data

Stability: Stable

Incompatibility: This product may react with strong oxidizing agents.

Hazardous Decomposition Products: This product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Hazardous Polymerization: Will Not Occur

## SECTION 6-Health Hazard Data

Primary Routes of Entry: Inhalation: Not likely. Skin: Liquid contact Ingestion: Yes Eyes: Splashes

Health Hazards: Eye Contact: May cause slight irritation. Skin Contact: May cause slight irritation. Ingestion: May be harmful if swallowed. Inhalation: May cause slight irritation to throat, nose and lungs.

Chronic Effects: None Known

Carcinogenicity: NTP: Not Listed IARC: Not Listed OSHA: Not Listed

Signs & Symptoms of Exposure: Inhalation: Nasal Irritation Ingestion: Irritation & burning. Skin Contact: Itching or redness.

Eye Contact: Burning, tearing or redness.

Emergency & First Aid Procedures: Inhalation: Move person to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. See medical attention. Ingestion: Call physician immediately. Skin Contact: Immediately take off all contaminated clothing. Wash with soap and water. If irritation persists, get medical attention. Wash contaminated clothing before reuse. Eye Contact: Flush with water for 15 minutes. Seek medical attention at once. Ingestion: If the material is swallowed, get immediate attention or advice. Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting. Notes to Physician: If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

### **SECTION 7- Spill or Leak Procedures**

Emergency Action: Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Wear appropriate personal protective equipment during cleanup. Small spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Large spills: Dike ahead of liquid spill for later disposal. Do not charge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of the 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 products to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Surfaces may become slippery after spillage.

### **SECTION 8 - Precautions For Safe Handling & Use**

Handling: Avoid contact with eyes. Use good hygienic practices. Wash hands before eating, using washroom. Do not smoke. Storage: Store in a cool dry place. Keep container tightly closed at all times. Other Precautions: Avoid contact with foodstuffs. Keep out of reach of children. Storage: Avoid freezing or excessive heat.

### **SECTION 9 - Personal Protection Information**

Respiratory Equipment: Under normal conditions, respirator is not normally required. If vapors are present or irritation is experienced, NIOSH approved respiratory protection for ammoniacal vapors should be worn. Ventilation: Use local exhaust ventilation. Skin Protection: Rubber or Neoprene Gloves if necessary. Work clothing sufficient to prevent all skin contact should be worn. Eye Protection: Wear splash goggles if contact with material is likely. Other Protective Clothing or Equipment: Eye wash fountain.

### **SECTION 10 - Disposal Considerations**

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse empty container with water. Return metal drum then offer for reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities. For containers 1 gallon or less: Do not reuse empty container. Wrap container and put in trash.

### **Section 11 - Ecological Information**

Ecotoxicity: Toxic to fish. Toxic to aquatic organisms.

## Section 12 - Regulatory Information

Ingredient Name	CAS Number	Percent
_Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-05	4.5%
_Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	4.5%
_Ethanol	64-17-5	0.54%

State Regulations: This product may contain the following ingredients known to the state of California to cause cancer, birth defects or other reproductive harm: Ethylene Oxide (CASRN: 75-21-8) Nitrotriacetic acid (NTA) (CAS RN: 139-13-9)  
Canada\_WHMIS: Class E (Corrosive Liquid)

Inventories: This product is considered a pesticide and is therefore excluded from the United States TSCA Regulations. There is no calculable reportable quantity (RQ) for this product.

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Date issued: 10/15/06

Prepared by: Michael Walker