

SAFETY DATA SHEETS

This SDS packet was issued with item:

078011563

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078011571



MATERIAL SAFETY DATA SHEET

**PYOBEN[®] Medicated Shampoo
with SPHERULITES[®] Microcapsules**

Product Codes: 001208, 001210, and 001216

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATIONS AND OF THE COMPANY UNDERTAKING

Product Name	PYOBEN [®] Medicated Shampoo with SPHERULITES [®] Microcapsules
Product Description	Shampoo for dogs, cats, and horses
Manufacturer/Supplier	Virbac AH, Inc.
Address	P.O. Box 162059 Fort Worth, Texas 76161
Phone Number	(800) 338-3659 for Technical Support
Chemtrec Number (24 hour)	(800) 424-9300
Emergency Number:	(800) 338-3659 for Human and Animal Medical Emergencies
MSDS Revision Date:	March 4, 2011
Supersedes MSDS Dated:	May 10, 2010

Material Safety Data Sheet in compliance with OSHA's Hazcom Standard (29 CFR 1910.1200)

2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION!

Avoid contact with eyes and skin.

Harmful if swallowed.

Keep out of reach of children.

Read entire label before each use.

Routes of Entry

Eye contact - Skin contact - Ingestion

Carcinogenic Status

Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs

Eyes - Skin - Respiratory System

Health Effects - Eyes

Contact with eyes can cause irritation.

Health Effects - Skin

Contact with skin can cause irritation and skin sensitization.

Health Effects - Ingestion

Harmful if swallowed. Ingestion of this material may cause gastrointestinal effects such as nausea, vomiting and diarrhea.

Health Effects - Inhalation

No adverse effects are expected during normal conditions of use. Prolonged, repeated inhalation may cause irritation or nose, throat and respiratory tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS Number	Concentration
Benzoyl Peroxide	94-36-0	~3%
Sodium Olefin Sulfonate	68439-57-6	1 - 10%
Glycerin	56-81-5	1 - 5%
Urea	57-13-6	0.1 - <1%



4. FIRST AID MEASURES

Eyes

Immediately flood the eye with plenty of water for at least 15-20 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin

If irritation develops wash skin thoroughly with soap and water. Obtain medical attention if redness or soreness persists.

Ingestion

Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. Seek medical attention if symptoms persist.

Advice to Physicians

Treat symptomatically.

5. FIRE - FIGHTING MEASURES

Extinguishing Media

Use extinguishing media appropriate for surrounding materials.

Unusual Fire and Explosion Hazards

Can release hazardous vapors during a fire.

Protective Equipment for Fire-Fighting

Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing. Wipe up and transfer into suitable containers for recovery or disposal. Prevent the material from entering drains or watercourses.

7. HANDLING AND STORAGE

Store in original container in a cool, dry place. Store away from children and pets. May bleach fabric or carpet. Do not store near foodstuffs. Do not contaminate water, food or feed by storage. Wear appropriate protective clothing. Avoid contact with eyes. Wash hands thoroughly after handling and before eating, drinking or smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards

Exposure limits are listed below, if they exist.

Benzoyl Peroxide

ACGIH: TLV 5 mg/m³ 8h TWA

OSHA: PEL 5 mg/m³ 8h TWA

Glycerin (Mist)

ACGIH: TLV 10 mg/m³ 8h TWA.

OSHA: PEL 5 mg/m³ 8h TWA respirable fraction

15mg/m³ 8h TWA total dust



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Sodium Olefin Sulfonate

None established

Urea

None established

Engineering Control Measures

No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Respiratory Protection

Not required under normal conditions of use. Professional groomers and those with repeated and extended exposures should consider the use of respiratory protection if there is a risk of exposure to high vapor concentrations. The specific respirator selected must be based on the airborne concentration found in the workplace and must not exceed the working limits of the respirator.

Hand Protection

Elbow length chemical resistant gloves.

Eye Protection

Safety glasses or goggles.

Body Protection

Waterproof apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Off-white to Yellow
Odor	Odorless
pH	No data available
Specific Gravity	1.025
Boiling Range/Point (°C/F)	No data available
Melting Point (°C/F)	No data available
Flash Point (PMCC) (°C/F)	Not flammable
Explosion Limits (%)	No data available
Vapor Pressure	No data available
Density	No data available
Solubility in Water	Soluble
Vapor Density (Air = 1)	No data available

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to Avoid

Heat - high temperatures

Materials to Avoid

Strong oxidizers - strong acids - bases

Hazardous Polymerization

Will not occur.

Hazardous Decomposition Products

Oxides of carbon - organic compounds - dense white smoke of benzoic acid - phenyl benzoate - terphenyls - biphenyls - benzene



11. TOXICOLOGICAL INFORMATION

See product packaging for additional information.

Acute Toxicity

Benzoyl Peroxide: LD50 Rat Oral 7710 mg/kg

Benzoyl Peroxide: LD50 Mammal (unspecified) Dermal >1000 mg/kg.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Sodium Olefin Sulfonate: Oral LD50 (rat) 1300-2400 mg/kg, Dermal LD50 (rabbit) 1130-2150 mg/kg

Glycerin: Oral LD50 9Rat) 12,600 mg/kg

Specific Target Organ Systemic Toxicity (single and repeat)

No relevant studies identified.

Serious Eye damage/Eye Irritation

Benzoyl Peroxide: May cause eye irritation.

Sodium Olefin Sulfonate: Causes moderate eye irritation at 10% active and no irritation at 1% active (Primary Eye Irritation- rabbit 24 hr)

Glycerin: Animal studies have shown glycerin to be not irritating or slightly irritating to eyes.

Skin Corrosion/Irritation

Benzoyl Peroxide: Human skin irritant.

Sodium Olefin Sulfonate: Causes moderate skin irritation at 10% (Primary Skin Irritation - rabbit 24hr), Slight Skin irritation at 1% active (Primary Irritation Patch Test - human)

Glycerin: Human skin tests have shown glycerin to be slightly irritating.

Respiratory or Skin Sensitization

Benzoyl Peroxide: Known skin sensitizer in humans.

Sodium Olefin Sulfonate: Not a dermal sensitizer (Dermal Sensitization)

Carcinogenicity

Sodium Olefin Sulfonate: No increased incidences of tumors in rats fed up to 500ppm (rat)

Germ Cell Mutagenicity

Benzoyl Peroxide: Based on several laboratory studies the FDA has concluded that Benzoyl Peroxide is not a genotoxic agent.

Sodium Olefin Sulfonate: Not mutagenic (Ames test)

Urea: Laboratory studies have shown urea to be mutagenic but only at very high doses.

Toxicity to Reproduction

Benzoyl Peroxide: At high doses (1000 mg/kg bw/day) in parental male rats a reduction in reproductive organ weight and slight testes degeneration was seen.

Sodium Olefin Sulfonate: No reproductive or developmental effects were observed at doses that show no or slight maternal toxicity (up to 2 mg/kg)

12. ECOLOGICAL INFORMATION

Mobility

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bio-accumulation

No relevant studies identified.

Ecotoxicity

Propylene Glycol: EC50 Daphnia magna > 10,000 mg/l 48 h

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local and national regulations.



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14. TRANSPORT INFORMATION

Contact supplier for transport information.

15. REGULATORY INFORMATION

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing

This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Substance (TSCA) Inventory.

DSL (Canadian) Listing

This product contains ingredients that have not been verified for listing on the Domestic Substance List (DSL).

WHMIS Classification

D.2.B

This product was classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains all the information required by these regulations.

MA Right To Know Law

This product contains the following chemicals on the Massachusetts Right to Know Law: Benzoyl Peroxide (94-36-0)

PA Right To Know Law

This product contains the following chemicals on the Pennsylvania Hazardous Substance List: Benzoyl Peroxide (94-36-0) – Glycerin (77-92-9)

NJ Right To Know Law

This product contains the following chemicals on the New Jersey Workplace Hazardous Substance List: Benzoyl Peroxide (94-36-0)

California Proposition 65

This product contains the following materials which the State of California has found to cause cancer, birth defects or other reproductive harm: None

SARA Title III Sect. 311/312 Categorization

Immediate (acute)

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Benzoyl Peroxide (94-36-0) – Formaldehyde (50-00-0) trace – Benzene (71-43-2) trace – Toluene (108-88-3) trace – Lead (7439-92-1) trace – Arsenic (7740-38-2) trace

16. OTHER INFORMATION

NFPA Ratings

NFPA Code for Flammability - 0

NFPA Code for Health - 1

NFPA Code for Reactivity - 0

NFPA Code for Special Hazards - 0

HMIS Ratings

HMIS Code for Flammability - 0

HMIS Code for Health - 1*

HMIS Code for Reactivity - 0

HMIS Code for Personal Protection - See Section 8



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16. OTHER INFORMATION

Abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
BOD: Biological Oxygen Demand
CAS#: Chemical Abstracts Service Number
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
N/A: Denotes no applicable information found or available
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

For further information call: (800) 338-3659

Prepared By: EnviroNet LLC

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