



1. IDENTIFICATION

Product Name	Otomite Plus® Ear Miticide
Recommended use of the chemical and restrictions on use	
Identified uses	Ear mite treatment for dogs, cats, puppies and kittens
Restrictions on Use	Available through licensed veterinarians only. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
Company Identification	Virbac AH, Inc. P.O. Box 162059 Fort Worth, Texas 76161
Customer Information Number	(800) 338-3659
Emergency Telephone Number	
Chemtrec Number	(800) 424-9300
Other Emergency Number:	Poison Control Center: 1-800-222-1222 (human) HOT LINE NUMBER: 1-800-345-4735 (human and pet)
Issue Date	September 24, 2015
Supersedes Date	February 4, 2014

Safety Data Sheet prepared in accordance with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

2. HAZARD IDENTIFICATION

Hazard Classification	Acute hazard to the aquatic environment - Category 2 (This classification not adopted by OSHA)
Label Elements	
Hazard Symbols	None
Signal Word: None	
Hazard Statements	Toxic to aquatic life.
Precautionary Statements	
Prevention	Avoid release to the environment.
Response	None
Storage	None
Disposal	Dispose of contents/container in accordance with local regulation.
Other Hazards	See Section 15 for FIFRA label elements.



2. HAZARD IDENTIFICATION

Specific Concentration Limits

The values listed below represent the percentages of ingredients of unknown toxicity.

Acute oral toxicity	<10%
Acute dermal toxicity	<10%
Acute inhalation toxicity	>90%
Acute aquatic toxicity	>90%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:

This product is a mixture.

Component Name	CAS Number	Concentration
Light Mineral Oil	8042-47-5	60-70%
Vegetable Oil	8001-25-0	20-30%
Piperonyl Butoxide	51-03-6	1.50%
N-octyl bicycloheptene dicarboximide	113-48-4	0.48%
Pyrethrins	8003-34-7	0.15%

4. FIRST-AID MEASURES

Description of necessary 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 the 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

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.

Most important symptoms/effects, acute and delayed

Aside from the information found under Description of necessary first aid measures (above) and Indication of immediate medical attention and special treatment needed, no additional symptoms and effects are anticipated.

Indication of immediate medical attention and special treatment needed

Notes to Physicians

Treat symptomatically.



5. FIRE-FIGHTING MEASURES

Extinguishing Media

Water spray, carbon dioxide and dry chemical. 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

Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing.

Environmental Precautions

Prevent the material from entering drains or watercourses.

Methods and materials for containment and cleaning up

Contain and transfer into suitable containers for recovery or disposal.

7. HANDLING AND STORAGE

Precautions for safe handling

Wash hands thoroughly after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Conditions for safe storage

Store in tightly closed original container in a cool, dry, locked place. Keep away from children and pets.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure limits are listed below, if they exist.

Pyrethins

ACGIH: TLV 5 mg/m³ 8h TWA

OSHA: PEL 5 mg/m³ 8h TWA

Light Mineral Oil as Oil Mist, Mineral

ACGIH: TLV 5 mg/m³ 8h, STEL 10 mg/m³

OSHA: PEL 5 mg/m³ 8h TWA

Vegetable oil as Vegetable Oil Mist

OSHA: PEL 15 mg/m³ 8h TWA, total dust

5 mg/m³ 8h TWA, respirable fraction



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls

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

Individual protection measures

Respiratory Protection

Not required under normal conditions of use.

Skin Protection

Chemical resistant gloves.

Eye/Face Protection

Safety glasses or goggles.

Body Protection

Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

	Physical State	Liquid
	Color	Yellow
Odor		Odorless
Odor Threshold		No data available
pH		No data available
Specific Gravity		0.86 - 0.87
Boiling Range/Point (°C/F)		Not applicable
Melting Point (°C/F)		Not applicable
Flash Point (PMCC) (°C/F)		Not applicable
Vapor Pressure		Not applicable
Evaporation Rate (BuAc=1)		Not applicable
Solubility in Water		Insoluble
Vapor Density (Air = 1)		Not applicable
VOC		Not applicable
Partition coefficient (n-octanol/water)		Not applicable
Viscosity		Not applicable
Auto-ignition Temperature		No data available
Decomposition Temperature		No data available
Upper explosive limit		No data available
Lower explosive limit		No data available
Flammability (solid, gas)		No data available

10. STABILITY AND REACTIVITY

Reactivity

Data is not available

Chemical Stability

Stable under normal conditions.



10. STABILITY AND REACTIVITY

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Heat - high temperatures

Incompatible Materials

None known.

Hazardous Decomposition Products

Oxides of carbon – hydrocarbons

11. TOXICOLOGICAL INFORMATION

See product insert and/or packaging for additional information.

Acute Toxicity

Pyrethrins

Oral LD50 (rat, male) 1400 mg/kg,

Dermal LD50 (rabbit) >2000 mg/kg

Inhalation LC50 (rat) >3.4 mg/l

Piperonyl Butoxide

Oral LD50 (rat) 5630 mg/kg

Dermal LD50 (rabbit) >2000 mg/kg

Inhalation LC50 (rat) >5.9 mg/l

N-octyl bicycloheptene dicarboximide

Dermal LD50 (rabbit) >2000 mg/kg

Specific Target Organ Toxicity (STOT) – single exposure

No data available.

Specific Target Organ Toxicity (STOT) – repeat exposure

Pyrethrins: In laboratory animal studies has shown adverse nervous system, thyroid and liver effects.

Following inhalation exposure, neurobehavioral effects we observed initially and respiratory tract lesions were observed at all dose levels. (EPA)

Piperonyl Butoxide: In subchronic inhalation toxicity studies in rats adverse effects to the respiratory system were observed. (EPA)

N-octyl bicycloheptene dicarboximide: In inhalation exposure in laboratory animals adverse effects to the respiratory tract have been observed. (EPA)

Serious Eye damage/Irritation

Piperonyl Butoxide: Not irritating in rabbit study (ECHA)

Skin Corrosion/Irritation

Piperonyl Butoxide: Not irritating in rabbit study (ECHA)

Respiratory or Skin Sensitization

Piperonyl Butoxide: Both positive and negative test results have been reported for skin sensitization.

N-octyl bicycloheptene dicarboximide: Dermal sensitization testing was positive (guinea pig).(Supplier SDS)

Pyrethrins: Not a dermal sensitizer (EPA report).



11. TOXICOLOGICAL INFORMATION

Carcinogenicity

Piperonyl Butoxide: EPA Classification: Group C-possible human carcinogen with no cancer quantification

N-octyl bicycloheptene dicarboximide: EPA Classification: Group C-possible human carcinogen with no cancer quantification

Pyrethrins: Classified by EPA as "Suggestive Evidence of Carcinogenicity, but Not Sufficient to Assess Human Carcinogenic Potential" with no cancer quantification

Germ Cell Mutagenicity

N-octyl bicycloheptene dicarboximide: Negative in the CHO chromosome aberration assay.

Reproductive Toxicity

N-octyl bicycloheptene dicarboximide The rat and rabbit developmental toxicity studies did not demonstrate developmental toxicity. There were no effects on the reproductive performance of either males or females in the multi-generation reproduction study. (EPA)

Aspiration Hazard

Not an aspiration hazard.

12. ECOLOGICAL INFORMATION

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate.

Ecotoxicity

Pyrethrins: LC50 Bluegill 58 ug/l 96 h

Piperonyl Butoxide: LC50 Rainbow trout 3.4 ug/l 96 h

Mobility in soil

No relevant studies identified.

Persistence/Degradability

No relevant studies identified.

Bioaccumulative Potential

No relevant studies identified.

Other adverse effects

No relevant studies identified.

13. DISPOSAL CONSIDERATIONS

Product Disposal: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Container Disposal: Non refillable container. Do not reuse or refill this container. If empty place in trash or offer for recycling if available.

14. TRANSPORT INFORMATION

Contact supplier for transport information.



15. REGULATORY INFORMATION

United States TSCA Inventory

This product is excluded from TSCA as it regulated under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

Federal Insecticide, Fungicide, and Rodenticide Act

This is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

Following is the hazard information as required on the pesticide label:

Front Panel:

KEEP OUT OF THE REACH OF CHILDREN

CAUTION

Side/Back Panel:

READ ENTIRE LABEL BEFORE EACH USE

USE ONLY ON DOGS AND CATS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HAZARDS TO HUMANS: Harmful if absorbed through the skin. Avoid contact with skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contamination of feed and foodstuffs.

User Safety Recommendations:

Users should wash hands with plenty of soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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ENVIRONMENTAL HAZARDS

This product is toxic to aquatic organisms, including fish and invertebrates. Do not contaminate water when disposing of equipment, washwater or rinsate. See Directions for Use and additional precautions and requirements.

Canada DSL Inventory

This product is excluded from DSL listing as it is regulated under the Pest Control Products Act when used as a pesticide.

California Proposition 65

This product does not contain any materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 311/312 Categorization

None

SARA Title III Sect. 313

This product contains the following chemicals that are listed in Section 313 at or above de minimis concentrations: Piperonyl Butoxide (51-03-6)



16. OTHER INFORMATION

Legend

ACGIH: American Conference of Governmental Industrial Hygienists
BOD: Biological Oxygen Demand
CAS#: Chemical Abstracts Service Number
DSL: Domestic Substances List
ECHA: European Chemicals Agency
EPA: Environmental Protection Agency
FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
HDT: Highest Dose Tested
HMIS: Hazardous Materials Identification System IARC: International Agency for Research on Cancer
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
LOEL: Lowest Observed Effect Level
N/A: Denotes no applicable information found or available
NFPA: National Fire Protection Association
NOEL: No Observed Effect Level
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
TSCA: Toxic Substances Control Act
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
WHMIS: Workplace Hazardous Materials Information System
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act

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Changes made: Updated to GHS Classification.

Information Source and References

This SDS is prepared by Hazard Communication Specialists based on information provided by internal company references.

Prepared By: EnviroNet LLC.

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