

Material Safety Data Sheet: 3165810346 VETS BEST NATFLEA SPRAY

Supersedes Date Not applicable

Issuing Date 12/16/2009

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name 3165810346 VETS BEST NATFLEA SPRAY
Recommended Use Pest control
Information on Manufacturer
 THE BRAMTON COMPANY
 P.O. BOX 655450
 DALLAS, TX 75265450

Product Code B14F
Chemical Nature Aqueous solution
Emergency Telephone Number
 CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION
 Causes eye irritation
 May cause allergic skin reaction
 May be harmful if swallowed

Color Amber

Physical State Liquid

Odor Mint-like

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation.

Primary Routes of Entry

Skin Absorption

Acute Effects

Eyes

Causes eye irritation.

Skin

May cause skin irritation. May cause allergic skin reaction.

Inhalation

May cause irritation of respiratory tract.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

Chronic Toxicity

May cause sensitization by skin contact

Target Organ Effects

Bone Marrow

Aggravated Medical Conditions

Respiratory disorders, Skin disorders.

Potential Environmental Effects

See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Sodium lauryl sulfate	151-21-3

4. FIRST AID MEASURES

General Advice

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist, or gas.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Skin Contact

Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation

If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion

Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to Physician

May cause sensitization of susceptible persons.

5. FIRE-FIGHTING MEASURES

Flash Point Not combustible

Method Not applicable

Autoignition Temperature No information available.

Flammability Limits in Air % Not applicable.

Upper No data available **Lower** No data available

Suitable Extinguishing Media

Water spray. Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA **Health** 1

Flammability 1

Instability 0

HMIS **Health** 1

Flammability 1

Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions

No special environmental precautions required.

Methods for Containment

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Pick up and transfer to properly labeled containers.
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mist or gas.
Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Do not freeze.
Storage Temperature **Minimum** 35°F/2°C **Maximum** 130°F/54°C
Storage Conditions **Indoor** X **Outdoor** **Heated** **Refrigerated**

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Sodium lauryl sulfate	No data available	No data available	No data available

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Eye/Face Protection Safety glasses with side-shields.
Skin Protection Wear suitable protective clothing, Impervious gloves.
Respiratory Protection In case of insufficient ventilation wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Non viscous
Color	Amber	Odor	Mint-like
Appearance	Transparent - Slightly Cloudy	pH	8.0
Specific Gravity	1.0	Evaporation Rate	0.66 (Butyl acetate=1)
Percent Volatile (Volume)	99.3	VOC Content (%)	1.0
VOC Content (g/l)	10	Vapor Pressure	17.5 mmHg @ 70 °F
Vapor Density	0.6 (Air = 1.0)	Solubility	Completely soluble
Boiling Point/Range	199.4°F/93°C		

10. STABILITY AND REACTIVITY

Chemical Stability Stable. Hazardous polymerization does not occur.
Conditions to Avoid None known.
Incompatible Products Strong oxidizing agents, Strong acids.
Hazardous Decomposition Products Carbon oxides, Sulfur oxides.
Possibility of Hazardous Reactions None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

Component Information

Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Sodium lauryl sulfate	1288 mg/kg (Rat)	580 mg/kg (Rabbit)	3900 mg/m ³ (Rat) 1 h	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Sodium lauryl sulfate	no data available	skin sensitization	no data available	no data available	Bone marrow

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Sodium lauryl sulfate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Sodium lauryl sulfate	72 Hr EC50 Desmodesmus subspicatus: 53 mg/L; 96 Hr EC50 Desmodesmus subspicatus: 30 - 100 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 117 mg/L; 96 Hr EC50 Pseudokirchneriella subcapitata: 3.59 - 15.6 mg/L [static]	96 Hr LC50 Pimephales promelas: 8-12.5 mg/L [static] (fry); 96 Hr LC50 Pimephales promelas:15-18.9 mg/L [static] (juvenile); 96 Hr LC50 Pimephales promelas:22.1-22.8 mg/L [static] (adult); 96 Hr LC50 Oncorhynchus mykiss:4.3-8.5 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss:4.62 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss:4.2 mg/L; 96 Hr LC50 Brachydanio rerio:7.97 mg/L [flow-through]; 96 Hr LC50 Brachydanio rerio:9.9-20.1 mg/L [semi-static]; 96 Hr LC50 Lepomis macrochirus:4.06-5.75 mg/L [static]; 96 Hr LC50 Lepomis macrochirus:4.2-4.8 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus:4.5 mg/L; 96 Hr LC50 Pimephales promelas:5.8-7.5 mg/L [static]; 96 Hr LC50 Pimephales promelas:10.2-22.5 mg/L [semi-static]; 96 Hr LC50 Pimephales promelas:6.2-9.6 mg/L; 96 Hr LC50 Poecilia reticulata:13.5-18.3 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata:10.8-16.6 mg/L [static]; 96 Hr LC50 Cyprinus carpio:1.31 mg/L [semi-static]	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	48 Hr EC50 Daphnia magna: 1.8 mg/L	1.6

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated
TDG Not regulated
ICAO Not regulated
IATA Not regulated
IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Sodium lauryl sulfate	Not applicable	Not applicable

Canada

This product may not be commercially placed on the market in Canada

WHMIS Hazard Class

Not applicable

16. OTHER INFORMATION

Prepared By	Mike McDowell
Supersedes Date	Not applicable
Issuing Date	12/16/2009
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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