

Safety Data Sheet:

Supersedes Date Not applicable

Issuing Date 10/10/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Flea and Tick Yard and Kennel Spray
Recommended use Pest control
Information on Manufacturer
HERO Pet Brands
P.O. BOX 655450, DALLAS, TX 75265 5450

Product Code B17F
Chemical nature Aqueous solution
Emergency Telephone
800-272-6336
Telephone inquiry
800-272-6336

2. HAZARD IDENTIFICATION

Color Amber

Physical state Liquid

Odor Mint-like

GHS

Classification

Physical Hazards

None***

Health Hazard

Skin Corrosion/Irritation
Serious Eye Damage/Eye Irritation

Category 3
Category 2A

Other hazards

None

Labeling

Signal Word

WARNING



Hazard statements

H316 - Causes mild skin irritation
H319 - Causes serious eye irritation

Precautionary Statements

P102 - Keep out of reach of children
P103 - Read label before use
If on skin and irritation occurs, wash with warm soap and water. If irritation worsens, seek medical attention.
P305 - IF IN EYES: Immediately rinse the eyes with water. Remove any contact lenses and continue flushing for at least 15 minutes. Hold the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get immediate medical attention if irritation persists.
P271 - Use in a well-ventilated area.
P301+ P330 + P331 - IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Call a physician if unwell.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Weight-% |
|-----------------------|----------|----------|
| Sodium lauryl sulfate | 151-21-3 | 3-7 |

*The exact percentage (concentration) of composition has been withheld as a trade secret***

4. FIRST AID MEASURES

General advice Eye Contact

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
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 | Does not flash | Method | No data 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, NOHSC (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 | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). |
| Neutralizing Agent | Not applicable. |

7. HANDLING AND STORAGE

| | | | | |
|----------------------------|--|---------------------------------|----------------|-----------------------------------|
| Handling | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. | | | |
| Storage | Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. | | | |
| Storage Temperature | Minimum | *** 35 °F*** /*** 2*** °C*** | Maximum | *** 120 °F*** /*** 49*** °C*** |
| Storage Conditions | Indoor | X | Outdoor | Heated Refrigerated |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|---------------------------------------|--|
| Exposure Guidelines | This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
| Engineering Measures | Ensure adequate ventilation, especially in confined areas. |
| Personal Protective Equipment | |
| Eye/Face Protection | Tightly fitting safety goggles. |
| Skin Protection | Impervious gloves, Skin should be washed after contact. |
| Respiratory Protection | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations. |
| General Hygiene Considerations | Do not eat, drink or smoke when using this product. 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 |
| Odor Threshold | Not applicable | Appearance | Transparent - Slightly Hazy |
| pH | 8.5 | Specific Gravity | 1.0 |
| Evaporation Rate | 0.68 (Butyl acetate=1) | Percent Volatile (Volume) | 0 |
| VOC Content (%) | 2.0 | VOC Content (g/L) | 0 |
| Vapor Pressure | 17.4 mmHg @ 70°F | Vapor Density | 0.7 (Air = 1.0) |
| Solubility | Completely soluble | n-Octanol/Water Partition | No data available |
| Melting Point/Range | No data available | Decomposition Temperature | No data available |
| Boiling Point/Range | *** 200 °F*** /*** 93*** °C*** | Flammability (solid, gas) | No data available |
| Flash Point | Does not flash | Method | No data available |
| Autoignition Temperature | No information available. | | |
| Flammability Limits in Air %: | Not applicable | Upper: | No data available |
| | | Lower: | No data available |

10. STABILITY AND REACTIVITY

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|---|--|
| Chemical Stability | Stable. Hazardous polymerization does not occur. |
| Conditions to Avoid | None known. |
| Incompatible Products | Strong oxidizing agents, Strong acids. |
| Decomposition Temperature | No data available |
| Hazardous Decomposition Products | Carbon oxides, Sulfur oxides. |
| Possibility of Hazardous Reactions | None under normal processing. |

11. TOXICOLOGICAL INFORMATION

Product Information No information available.

The following values are calculated based on chapter 3.1 of the GHS document

| | |
|------------------------|--------------------------|
| Oral LD50 | 29,377.55 |
| Dermal LD50 | 16,811.59 |
| Inhalation LC50 | |
| Gas | No information available |
| Mist | 28.29 |
| Vapor | 28.29 |

| | |
|--------------------------------------|---|
| Principle Route of Exposure | Skin contact, Eye contact, Inhalation. |
| Primary Routes of Entry | Skin Absorption. |
| Acute Effects: | |
| Eyes | Causes eye irritation. |
| Skin | Causes 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. |

Component Information

Acute Toxicity

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 | Draize Test | Other |
|-----------------------------------|---------------------|------------------------|---|-------------------|-------------------|
| Sodium lauryl sulfate 151-21-3 | = 977 mg/kg (Rat) | = 580 mg/kg (Rabbit) | > 3900 mg/m ³ (Rat) 1 h | No data available | No data available |

Carcinogenicity There are no known carcinogenic chemicals in this product.

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Microtox | Crustacea | Partition coefficient |
|---------------|-------------------|------------------|----------|-----------|-----------------------|
| | | | | | |

| | | | | | nt |
|-----------------------|--|---|--|-----------------------------------|-----------|
| Sodium lauryl sulfate | EC50 = 53 mg/L Desmodesmus subspicatus 72 h EC50 30 - 100 mg/L Desmodesmus subspicatus 96 h EC50 = 117 mg/L Pseudokirchneriella subcapitata 96 h EC50 3.59 - 15.6 mg/L Pseudokirchneriella subcapitata 96 h | LC50 8 - 12.5 mg/L Pimephales promelas 96 h LC50 15 - 18.9 mg/L Pimephales promelas 96 h LC50 22.1 - 22.8 mg/L Pimephales promelas 96 h LC50 4.3 - 8.5 mg/L Oncorhynchus mykiss 96 h LC50 = 4.62 mg/L Oncorhynchus mykiss 96 h LC50 = 4.2 mg/L Oncorhynchus mykiss 96 h LC50 10.2 - 22.5 mg/L Pimephales promelas 96 h LC50 6.2 - 9.6 mg/L Pimephales promelas 96 h LC50 13.5 - 18.3 mg/L Poecilia reticulata 96 h LC50 10.8 - 16.6 mg/L Poecilia reticulata 96 h LC50 = 1.31 mg/L Cyprinus carpio 96 h LC50 = 7.97 mg/L Brachydanio rerio 96 h LC50 9.9 - 20.1 mg/L Brachydanio rerio 96 h LC50 4.06 - 5.75 mg/L Lepomis macrochirus 96 h LC50 4.2 - 4.8 mg/L Lepomis macrochirus 96 h LC50 = 4.5 mg/L Lepomis macrochirus 96 h LC50 5.8 - 7.5 mg/L Pimephales promelas 96 h | EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min | 1.8: 48 h Daphnia magna mg/L EC50 | 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 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA None

U.S. State Regulations**California Proposition 65**

This product does not contain Proposition 65 chemicals

16. OTHER INFORMATION

| | |
|----------------------------|---------------------------|
| Prepared By | Angus DeWalt |
| Supersedes Date | Not applicable |
| Issuing Date | 10/10/2018 |
| Reason for Revision | GHS -SDS FORMAT |
| Glossary | No information available. |
| List of References. | No information available. |

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