

SAFETY DATA SHEET
Equicare Flysect Super-C Repellngt Concentrate



1. Product And Company Identification

Product Name: Equicare Flysect Super-C Repellngt Concentrate
Product Use: Insecticide, Pesticide

Material Number(s): EPA Registration Number: 270-301
Material numbers: 10901, 10902, 3006289, 3006290

Responsible Party: Farnam Companies, Inc.
1501 E. Woodfield Road, Suite 200W
Schaumburg, IL 60173

Emergency Phone Number: 1-800-234-2269 (Human or Animal Exposure)
Transportation Emergency: 1-800-424-9300 (CHEMTREC) (US)
1-703-527-3887 (CHEMTREC: Outside US, Collect calls accepted)

2. Hazards Identification

GHS/OSHA HazCom2012 Classification:

Physical:	Health:
Non-Hazardous	Eye Damage Category 1 Skin Sensitizer Category 1

GHS/OSHA HazCom2012 Label Elements:



Danger!

Statements of Hazard

Causes serious eye damage.
May cause an allergic skin reaction

Precautionary Statements

Prevention
Avoid breathing mist, vapors or spray
Contaminated work clothing must not be allowed out of the workplace.
Wash thoroughly after handling.
Wear eye protection, and protective gloves.

Precautionary Statements continued.

Response

IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor.
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Wash contaminated clothing before reuse.

Disposal

Dispose of contents and container in accordance with local and national regulations.

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Hazards not otherwise specified: None

3. Composition/Information on Ingredients

Component	CAS No.	Amount
Non-hazardous ingredients	Mixture	85-90%
Octyl phenol ethoxylate	9036-19-5	1-5%
N-Octyl Bicycloheptene dicarboximide	113-48-4	3.10%
Di-N-Propyl Isocinchomerate	136-45-8	2.50%
Piperonyl Butoxide	51-03-6	1.85%
Permethrin	52645-53-1	1.00%
Pyrethrins	8003-34-7	0.50%

The exact concentrations are a trade secret.

4. First Aid Measures

Inhalation: If irritation or other symptoms develop, remove to fresh air. Seek medical attention if symptoms persist.

Skin Contact: Wash skin with soap and water. Seek medical attention if irritation or rash develops.

Eye Contact: Immediately flush eyes with large quantities of water for 20 minutes, holding the eyelids apart. Get immediate medical attention.

Ingestion: Do not induce vomiting unless directed to by a doctor or physician. If the victim is fully conscious, have them rinse their mouth with water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

Most Important Symptoms: Causes severe eye irritation with possible damage. May cause an allergic skin reaction.

Indication of Immediate Medical Attention/Special Treatment: Immediate medical attention is required for direct eye contact.

5. Firefighting Measures

Suitable (and Unsuitable) Extinguishing Media: Use foam or dry chemical. Carbon dioxide and water spray may be ineffective.

Specific Hazards Arising From the Chemical: Closed containers may rupture if exposed to extreme heat. Thermal decomposition may release carbon dioxide, nitrogen oxides, and various aldehydes and ketones.

Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures: Prevent contact with eyes. Avoid contact with skin and clothing. Wear appropriate protective clothing and equipment as described in Section 8. Ventilate the area.

Methods and Materials for Containment / Cleanup: Absorb with an inert material. Collect into a suitable container for disposal. Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

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7. Handling and Storage

Precautions for Safe Handling: Prevent contact with eyes. Avoid contact with skin and clothing. Use only with appropriate protective equipment. Wash hands after use. Refer to product label for proper conditions of use.

Do not reuse or refill empty containers.

Conditions for Safe Storage, Including Any Incompatibilities: Store in original container in a dry place inaccessible to children and pets. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, seed, fertilizers, and veterinary supplies. Do not store near heat or open flame.

8. Exposure Controls / Personal Protection

Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Non-hazardous ingredients	None Established
Octyl phenol ethoxylate	None Established
N-Octyl Bicycloheptene dicarboximide	None Established
Di-N-Propyl Isocinchomeronate	None Established
Piperonyl Butoxide	None Established
Permethrin	None Established
Pyrethrins	5 mg/m ³ TWA ACGIH TLV 5 mg/m ³ TWA OSHA PEL

Appropriate Engineering Controls: General ventilation should be adequate for normal use.

Personal Protective Equipment

Respiratory Protection: None required under normal use conditions. If exposures are excessive, wear an approved dust / mist respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use in accordance with all applicable regulations (in the US follow OSHA 1910.134) and good Industrial Hygiene practice.

Gloves: Protective gloves recommended to avoid skin contact.

Eye Protection: Wear chemical goggles.

Other Protective Equipment/Clothing: Appropriate protective clothing as needed to avoid skin contact.

9. Physical and Chemical Properties

Appearance and Odor: White to yellow-white liquid with a distinct solvent odor.

Physical State: Liquid	Odor Threshold: Not determined
pH: 5.25	Specific Gravity: 1.004
Initial Boiling Point/Range: 102°C (215.6°F)	Vapor Pressure: Not determined
Melting/Freezing Point: Not determined	Vapor Density: Not determined
Solubility In Water: Partially miscible in water	Percent Volatile: Not determined
Viscosity: Not determined	Evaporation Rate: Not determined

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Coefficient Of Water/Oil Distribution: Not determined		VOC Content: Not available
Flash Point: >93.3°C (>200°F) (TCC)		Autoignition Temp: Not Determined
Decomposition Temperature: Not determined		Flammability (solid, gas): Not applicable
Flammability Limits:	LEL: Not applicable	UEL: Not applicable

10. Stability and Reactivity

Reactivity: Not normally reactive.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: Can react with strong bases, acids and oxidizers.

Conditions To Avoid: None known.

Incompatible Materials: Strong oxidizing agents, strong bases and acids.

Hazardous Decomposition Products: Thermal decomposition may release carbon dioxide, nitrogen oxides, sulfuric oxides, and various aldehydes and ketones.

11. Toxicological Information

Acute Hazards:

Inhalation: Mist and vapors may cause mild irritation.

Skin Contact: May cause mild irritation. May cause allergic skin reaction.

Eye Contact: Causes severe irritation with the possibility of eye damage.

Ingestion: Swallowing may cause gastrointestinal disturbances.

Chronic Hazards: None currently known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

Acute Toxicity Values:

Product ATE: LD50: Oral > 5,000 mg/kg
 LD50: Dermal > 2,000 mg/kg
 LC50: Inhalation > 5 mg/l

Non-hazardous ingredients: Not acutely toxic.

Octyl phenol ethoxylate:
 LD50 Oral rat 1,900-5,000 mg/kg.
 LD50 Dermal rabbit >3,000 mg/kg

N-Octyl Bicycloheptene dicarboximide:
 LD50 Oral rat 5,000 mg/kg.
 LD50 Dermal rabbit >5,000 mg/kg
 LC50 Inhalation rat 1.98 mg/l/ 4 hr.

Di-N-Propyl Isocinchomeronate:
 LD50 Oral rat 5,230 mg/kg.
 LD50 Dermal rabbit 9,500 mg/kg
 LC50 Inhalation rat 6.09 mg/l / 4 hr.

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Piperonyl Butoxide:

LD50 Oral rat >2,000 mg/kg.
LD50 Dermal rat >2,000 mg/kg
LC50 Inhalation rat 5.2 mg/l / 4 hr.

Permethrin:

LD50 Oral rat 700 mg/kg.
LD50 Dermal rabbit >2,000 mg/kg
LC50 Inhalation rat 2.5 mg/l / 4 hr.

Pyrethrins:

LD50 Oral rat 700 mg/kg.
LD50 Dermal rat >2,000 mg/kg
LC50 Inhalation rat 2.5 mg/l / 4 hr.

12. Ecological Information

Very toxic to aquatic life with long lasting effects.

Ecotoxicity:

Octyl phenol ethoxylate: (Similar material)

LC50: Pimephales promelas (fathead minnow) 4 - 8.9 mg/l/96 hr.
EC50: Daphnia magna (Water flea) 18 - 26 mg/l/ 48 hr.

N-Octyl Bicycloheptene dicarboximide:

LC50: Oncorhynchus mykiss (Rainbow trout) 1.4 mg/L/ 96 hr.
EC50: Daphnia magna (Water flea) 23 mg/L/ 48 hr.

Di-N-Propyl Isocinchomeronate:

LC50: Oncorhynchus mykiss (Rainbow trout) 1 mg/L/ 96 hr.
EC50: Daphnia magna (Water flea) 18 mg/L/ 48 hr.

Piperonyl Butoxide:

LC50: Oncorhynchus mykiss (Rainbow trout) 7.07 mg/L/ 96 hr.
EC50: Daphnia magna (Water flea) 18 mg/L/ 48 hr.

Permethrin:

LC50: Pimephales promelas (fathead minnow) 3 ug/l/96 hr.
EC50: Daphnia magna (Water flea) 12.4 ug/l/ 48 hr.

Pyrethrins:

LC50: Oncorhynchus mykiss (Rainbow trout) 3.2 ug/L/ 96 hr.
EC50: Daphnia magna (Water flea) 25 ug/L/ 48 hr.

Persistence and Degradability:

No data for product.

Bio accumulative Potential:

No data for product.

Mobility in Soil:

No data for product.

Other Adverse Effects: This pesticide is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds.

13. Disposal Considerations

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Waste Treatment Methods: Dispose of contents/container in accordance with all local and national regulations.

PESTICIDE DISPOSAL AND CONTAINER: Non-refillable container. Do not reuse or refill this container. **If Empty:** Place in trash or offer for recycling if available. **If Partially Filled:** Call local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

14. Transport Information

DOT Hazardous Materials Description:

Not Regulated in packages containing less than 200 lbs. Packages with 200 lbs. or greater the following applies

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Pyrethrins) RQ

UN Number: UN3082

Hazard Class/Packing Group: 9, III

Labels Required: Class 9

IMDG Dangerous Goods Description:

Proper Shipping Name: Environmentally hazardous substance, liquid, n.o.s. (Permethrin, Pyrethrins)

UN Number: UN3082

Hazard Class/Packing Group: 9, III

Labels Required: Class 9

15. Regulatory Information

United States:

US EPA Regulation on Pesticides:

This product is an EPA registered pesticide. EPA Registration No. **270-301**. **This product can only be used commercially in the EPA registered application(s) noted on the product label:**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Humans: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Animals: Avoid contact with eyes or mucous membranes. Do not treat puppies, kittens or foals under 12 weeks of age. Do not use on horses or foals intended for slaughter. Consult a veterinarian before applying this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur, bathe you pet with mild soap and rinse with large amount of water. If signs continue, consult a veterinarian immediately.

Environmental Hazards: This pesticide is toxic to aquatic organisms, including fish and invertebrates. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

CERCLA Section 103: This product has an RQ of 200 lbs. based on the RQ for Pyrethrins of 1 lb. present at 0.5% maximum. Oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health.

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SARA 313: This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372):

Di-N-Propyl Isocinchomeronate	CAS#: 136-45-8	at	2.5%
Piperonyl Butoxide	CAS#: 51-03-06	at	1.85%
Permethrin	CAS#: 52645-53-1	at	1.0%

EPA TSCA Inventory: This product is a pesticide and not subject to TSCA.

U.S. State Regulations:

California Proposition 65: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

NFPA Rating (NFPA 704):	Health: 3	Fire: 0	Instability: 0
HMIS Rating:	Health: 3	Fire: 0	Physical Hazard: 0

Date of current revision: August 30, 2016

Revision summary: New SDS

Date of previous revision: N/A

Disclaimer/Statement of Liability:

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their own particular purpose of any information or products referred to herein. **NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.**