

Conforms to HazCom 2012/United States

SAFETY DATA SHEET



Soteria™

Section 1. Identification

Common Name : Soteria™
Description : Turfgrass Fungicide
EPA Reg. No. : 67690-84

Supplier's details : SePRO Corporation
11550 North Meridian Street
Suite 600
Carmel, IN 46032 U.S.A.
Tel: 317-580-8282
Toll free: 1-800-419-7779
Fax: 317-580-8290
Monday - Friday, 8am to 5pm [E.S.T.](http://www.sepro.com)
www.sepro.com

Emergency telephone number (with hours of operation) : INFOTRAC - 24-hour service 1-800-535-5053

The following recommendations for exposure controls and personal protection are intended for the manufacture, formulation and packaging of this product. For applications and/or use, consult the product label. The label directions supersede the text of this Safety Data Sheet for application and/or use

Section 2. Hazards identification

WARNING



May cause an allergic skin reaction



Very toxic to aquatic life

GHS Toxicity Classifications

Sensitization - skin Cat. 1A, 1B, 1C
Hazardous to the aquatic environment, acute hazard Cat. 1

Prevention

Avoid breathing spray mist. (P261)
Contaminated work clothing should not be allowed out of the workplace. (P272)
Wear protective gloves. (P280)
Avoid release to the environment. (P273)

**Response**

IF ON SKIN: Wash with plenty of water. (P302 + P352)
If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)
Specific treatment (see pesticide product label). (P321)
Take off contaminated clothing and wash it before reuse. (P362 + P364)
Collect spillage. (P391)

Storage

Refer to Section 7 of this SDS for specific storage instructions.

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Section 3. Composition/information on ingredients

Common Name	Chemical Name	CAS #	Composition
Fluazinam	3-chloro- <i>N</i> -[3-chloro-2,6-dinitro-4-(trifluoromethyl) phenyl]-5-(trifluoromethyl-2-pyridinamine	79622-59-6	40.0%

Section 4. First aid measures

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact **INFOTRAC** at **1-800-535-5053** for emergency medical treatment information.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

Section 5. Fire-fighting measures

Flash Point: Not detectable

Flammable Limits (LFL-UFL): Not determined

Fire and Explosion Hazards: Burning produces noxious and toxic fumes.

Extinguishing Medium: Water fog, foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health - 2 / Flammability - 1 / Reactivity – 0

Section 6. Accidental release measures

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain. Large spills to soil or similar surfaces may necessitate removal of topsoil. The affected area should be removed and placed in an appropriate container for disposal.

Spill Cleanup: Dike spill using suitable absorbent or impervious materials such as earth, sand, or clay. Collect and contain contaminated absorbent and place in an appropriate container for disposal. Pump any free liquid into an appropriate closed container and decontaminate tools and equipment following cleanup. Collect washings for disposal.

Section 7. Handling and storage

Handling: Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before use. Do not take internally.

Storage: Store in original container in a secured, cool, dry place separate from food and feed. DO NOT store near heat or open flame.

Section 8. Exposure controls/personal protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Applicators and other handlers must wear coveralls over long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride), protective eyewear, and chemical resistant footwear and socks.

General: Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not allow contact of contaminated clothing with unprotected skin. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Section 9. Physical and chemical properties

Physical State: Yellow liquid
Odor: Pungent
Flashpoint: Not detectable
pH: 5-6 (1% aq.)
Density: 1.2-1.3 g/mL
Solubility: Soluble

Section 10. Stability and reactivity

CONDITIONS TO AVOID: None known.

CHEMICAL STABILITY: Stable under all normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: This product is chemically stable and no hazardous reactions should occur if stored and handled as prescribed / indicated. Thermal decomposition can lead to the formation of noxious and toxic fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

Section 11. Toxicological information

ORAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 2,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 0.967 mg/L (4-hour)
(highest dose given)

EYE IRRITATION: Non-irritating

SKIN IRRITATION: Mildly irritating

SKIN SENSITIZATION: Positive contact sensitizer

CARCINOGENICITY:

EPA: Suggestive evidence of carcinogenicity to humans

ACGIH: Not Listed **NTP:** Not Listed

IARC: Not Listed **OSHA:** Not Listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.

REPRODUCTIVE TOXICITY: Not a known reproductive toxicant.

Section 12. Ecological information

This product is toxic to fish and aquatic invertebrates.

The following information is for the active ingredient, fluazinam:

AQUATIC TOXICITY

Rainbow Trout (96-hour LC₅₀): 0.036 mg/L

Daphnia (48-hour LC₅₀): 0.22 mg/L

Algae (96-hr LC₅₀): 0.16 mg/L

**AVIAN TOXICITY**

Bobwhite quail (oral LD₅₀): 1,782 mg/kg
Mallard Duck (oral LD₅₀): > 4,190 mg/kg

OTHER TOXICITY

Honey Bee (oral LD₅₀): > 100 µg/bee (not toxic to bees)

Section 13. Disposal considerations

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

Section 14. Transport information**US DOT (shipped by land):**

Containers ≤ 119 gals. (450 L): Not regulated

Containers > 119 gals. (450 L):

DOT Shipping Name: UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III
Emergency Response Guide: 171
Marine Pollutant: Yes

IMDG (shipped by vessel):

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III, Marine Pollutant

IATA (shipped by air):

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Fluazinam), 9, PG III

Section 15. Regulatory information**SARA Title III - Section 302 Extremely Hazardous Substances**

Not listed

SARA Title III - Section 311/312 Hazard Categories

Immediate

SARA Title III - Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III - Section 313 Reportable Ingredients

Not listed

CERCLA Reportable Quantity (RQ) -

Not listed

CALIFORNIA PROP 65 STATUS -

This product does not contain any ingredients known to the state of California to cause cancer or reproductive harm.

**CANADA**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

Section 16. Other information

Prepared by: SePRO Corporation
Date: 08/07/18

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.