

Material Safety Data Sheet



Transportation and Medical Emergency Phone: 1-800-535-5053
(INFOTRAC)
General Phone: 317-580-8282

EPA Reg. Number: 69969-1-67690
Effective Date: 5/05/04

FlightControl[®] PLUS

SePRO Corporation Carmel, IN 46032

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: FlightControl[®] PLUS

COMPANY IDENTIFICATION:

SePRO Corporation
11550 North Meridian Street, Suite 600
Carmel, IN 46032
www.sepro.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

9,10-anthraquinone: CAS #84-65-1.....50%
Inert Ingredients.....50%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

3. HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW

This product contains no ingredients listed or defined as hazardous under the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200

EMERGENCY PHONE NUMBER: 800-535-5053

POTENTIAL HEALTH EFFECTS: This section includes possible adverse effects, which could occur if this material is not handled in the recommended manner.

EYE: On the basis of animal toxicity testing, we expect this product to be non-irritating to the eyes. FIFRA Category III.

SKIN: On the basis of animal toxicity testing, we expect this product to be non-irritating to the skin. The LD₅₀ for skin absorption in rabbits is >5,000 mg/kg; FIFRA Category IV. Did not cause allergic skin reactions when tested in guinea pigs.

INGESTION: Ingestion may cause a laxative effect and produce a greenish or bluish colored urine. On the basis of animal toxicity testing, we expect this product to be essentially non-toxic by ingestion. The oral LD₅₀ for rats is >5,000 mg/kg; FIFRA Category IV.

INHALATION: The LC₅₀ for rats is >2.04 mg/L; FIFRA Category IV.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: None

CANCER INFORMATION: None of the components listed by EPA, IARC are regulated as a carcinogen by OSHA.

4. FIRST AID

EYES: Immediately flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention.

SKIN: In case of contact, remove product mechanically and wash skin with soap or mild detergent and water. Remove contaminated clothing. Call a physician if irritation occurs. Wash clothing before reuse.

INGESTION: If swallowed, call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable
UFL: Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

EXTINGUISHING MEDIA: Water Spray. Foam. Dry Chemical. CO₂. Halon.

FIRE AND EXPLOSION HAZARDS: Minimal.

FIRE-FIGHTING EQUIPMENT: Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Cool tank/container with water spray.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS AND LEAKS: Utilize protective clothing and equipment. Spills should be taken up mechanically and placed into labeled, closable containers. Avoid generation of dust. Spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE: Less than 122° F (50° C), and above freezing.

SHELF LIFE: Five years (5) – Estimated.

SPECIAL SENSITIVITY: None known.

HANDLING/STORAGE PRECAUTIONS: Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from excessive heat. Reseal containers immediately after use. Store away from food and beverages.

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

These precautions are suggested for conditions where the potential for exposure exists. Emergency conditions may require additional precautions.

RESPIRATORY PROTECTION: None

SKIN PROTECTION: Rubber gloves and other protective clothing as appropriate to prevent skin contact.

EYE/FACE PROTECTION: Safety glasses or goggles are recommended.

ADDITIONAL PROTECTIVE MEASURES: Emergency showers and eye wash stations should be available. Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees on the safe use and handling of the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Active = 377° C

VAPOR PRESSURE: Active = 1.16×10^{-7} mmHG @ 25° C

VAPOR DENSITY: NA

SOLUBILITY IN WATER: Miscible

SPECIFIC GRAVITY: 1.44 as 50% slurry

APPEARANCE: Light tan liquid

ODOR: Weak aromatic odor

pH: 7.5-8.5

10. STABILITY AND REACTIVITY

STABILITY: (CONDITIONS TO AVOID) This is a stable material.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) None known.

HAZARDOUS DECOMPOSITION TEMPERATURE: Greater than 518° F (270° C).

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce potentially toxic and/or hazardous gases.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

MUTAGENICITY: Mutagenicity studies demonstrated anthraquinone was not a mutagenic agent.

12. ENVIRONMENTAL INFORMATION

AQUATIC TOXICOLOGY: LC₅₀ for fathead minnow (*Pimephales promelas*) is 5,300 mg/L

ENVIRONMENTAL DATA: Do not apply directly to water or wetlands. Do not apply when weather conditions favor runoff or drift from the target area. Do not contaminate water by cleaning of equipment or disposal of wastes. Risk to non-target species is minimal due to the lack of toxicity, use pattern, and application methods.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local Regulations. Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. TRANSPORT INFORMATION

For DOT regulatory information, if required, consult transportation regulations, product shipping papers, or your SePRO Corporation representative.

15. REGULATORY INFORMATION

NOTICE: The information herein is presented in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ from one location to another; it is the buyer's responsibility to ensure that its activities comply with federal, state or provincial, and local laws. The following specific information is made for the purpose of complying with numerous federal, state or provincial, and local laws and regulations.

U.S. REGULATIONS

SARA 313 INFORMATION: To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA HAZARD CATEGORY: Non-hazardous under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III).

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory.

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STATE RIGHT-TO-KNOW: The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on regulatory requirements you should contact the appropriate agency in your state.

Chemical Name	CAS Number	List
9,10-ANTHRAQUINONE	84-65-1	PA3
9,10-ANTHRAQUINONE	84-65-1	NJ1

PA3=The active ingredient is considered Pennsylvania Non-hazardous.

NJ1=The active ingredient is contained on the New Jersey Hazardous Substance List.

MASSACHUSETTS SUBSTANCE LIST (MSL): Hazardous substances and extraordinary hazardous substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

OSHA HAZARD COMMUNICATION STANDARD: This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

RCRA STATUS: If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health	1
Flammability	1
Reactivity	0

**COMPREHENSIVE ENVIRONMENTAL RESPONSE
COMPENSATION AND LIABILITY ACT (CERCLA, or
SUPERFUND):** To the best of our knowledge, this product contains no chemical subject to reporting under CERCLA.

16. OTHER INFORMATION, USES AND RESTRICTIONS

MSDS STATUS: New
SOURCE: Arkion Life Sciences

The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult SePRO Corporation for Further Information.