

Material Safety Data Sheet



Emergency Phone: 317-580-8282
General Phone: 1-317-580-8282

EPA Reg. Number: 67690-3
Effective Date: August 25, 1994

SONAR* SRP Herbicide

SePRO Corporation • Carmel, IN

1. INGREDIENTS:

(% w/w, unless otherwise noted)

1-Methyl-3-phenyl-5-(3-(trifluoromethyl)phenyl)-
4(1H)-pyridinone (Fluridone)
CAS# 059756-60-4.....5%
Other Ingredients..... 95%

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.

2. PHYSICAL DATA:

BOILING POINT: Not applicable
VAP. PRESS: Not applicable
VAP. DENSITY: Not applicable
SOL. IN WATER: Insoluble, but disintegrates in water
SP. GRAVITY: Not applicable
APPEARANCE: Dark gray to dark brown pellet
ODOR: Faint musty odor
pH: (aqueous 50/50) 3.5

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Not applicable
METHOD USED: Not applicable
FLAMMABLE LIMITS:
LFL: Not applicable
UFL: Not applicable
AUTO-IGNITION TEMPERATURE: No ignition up to
1382°F, 750°C
EXTINGUISHING MEDIA: Use water, CO2 or dry
chemicals.
FIRE AND EXPLOSION HAZARDS: Will emit toxic
vapors as it burns.
FIRE-FIGHTING EQUIPMENT: Wear full protective
clothing and use self-contained breathing apparatus.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) None known
INCOMPATIBILITY: (SPECIFIC MATERIALS TO
AVOID) None known

HAZARDOUS DECOMPOSITION PRODUCTS: Will
emit toxic vapors as it burns.

HAZARDOUS POLYMERIZATION: Does not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ENVIRONMENTAL DATA: Follow use directions
carefully so as to minimize adverse effects on nontar-
get organisms. IN ORDER TO AVOID IMPACT ON
THREATENED OR ENDANGERED AQUATIC PLANT
OR ANIMAL SPECIES, USERS MUST CONSULT
THEIR STATE FISH AND GAME AGENCY OR THE
U.S. FISH AND WILDLIFE SERVICE BEFORE MAK-
ING APPLICATIONS. Do not contaminate water by
cleaning of equipment or disposal of wastes. Trees
and shrubs growing in water treated with SONAR may
be injured. Do not apply in tidewater or brackish water.
Do not apply in lakes, ponds, or other bodies of water
where crayfish farming is performed.

ACTION TO TAKE FOR SPILLS: Contain and sweep
up material of small spills and dispose as waste. Large
spills report to CHEMTREC and SePRO Corporation
for assistance. Prevent runoff.

DISPOSAL METHOD: Do not contaminate water, food
or feed by storage or disposal. Wastes resulting from
the use of this product may be disposed of at an
approved waste disposal facility in accordance with
applicable regulations.

6. HEALTH HAZARD DATA:

ACUTE EXPOSURE (SONAR SRP)

Eyes - Rabbit, irritant
Skin - Rabbit, 2000 mg/kg, no deaths or toxicity, nonir-
ritant
Inhalation - This formulation is not considered to be an
inhalation hazard due to pelleted nature of material
Ingestion - Rat, 500 mg/kg, no deaths or toxicity
Sensitization - This formulation was not tested.
Fluridone technical is not a contact sensitizer in guinea
pigs.

CHRONIC EXPOSURE (Fluridone Technical) The fol-
lowing effects were reported in chronic, teratogenic,
and reproductive toxicity studies in laboratory animals
where experimental dosage levels and durations of
exposure were far in excess of those likely to occur in
humans.

Chronic Toxicity - Decreased survival in lifetime feed-
ing study. Increased liver enzyme activity, liver weight,
liver cell size, and microscopic liver cell changes.

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Increased kidney weights, and microscopic kidney cell changes. Increased serum enzyme levels.
Teratology & Reproduction - Not teratogenic. Fetal deaths at maternally toxic doses. No effects on reproductive performance.

Mutagenicity - Not mutagenic in either bacterial or mammalian cells.

Carcinogenicity - Not listed as a carcinogen or potential carcinogen by IARC, NCI/NTP, OSHA, or ACGIH. Not considered to be carcinogenic in lifetime feeding studies.

SIGNS AND SYMPTOMS OF EXPOSURE: There are no reports of significant exposure to SONAR SRP. In two reports of children swimming in water treated with SONAR, no symptoms developed.

PRIMARY ROUTES OF ENTRY: Skin and inhalation.

7. FIRST AID:

EYES: Flush eyes with plenty of water and call a physician if irritation develops.

SKIN: Wash exposed areas with plenty of soap and water. Wash all contaminated clothing before reuse. Call a physician if irritation develops.

INGESTION: Do not induce vomiting. Call a physician or Poison Control Center. If available, administer activated charcoal (6-8 heaping teaspoonfuls) with a large quantity of water. Do not give anything by mouth to an unconscious person. Immediately transport to a medical care facility and see a physician.

INHALATION: If discomfort occurs, move individual to fresh air. If breathing difficulty occurs, get medical attention. If not breathing, provide cardiopulmonary resuscitation assistance and get medical attention immediately.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: No information available.

8. HANDLING PRECAUTIONS:

EXPOSURE GUIDELINE(S): PEL and TLV not established.

VENTILATION: Good general ventilation should be sufficient for most conditions.

RESPIRATORY PROTECTION: No respiratory protection should be needed when used in accordance with label instructions.

SKIN PROTECTION: No precautions other than normal work clothing should be needed.

EYE PROTECTION: Use safety glasses.

9. ADDITIONAL INFORMATION:

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep out of reach of children. Harmful if swallowed, absorbed through skin, or if inhaled. Avoid breathing of dust or contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Wash exposed clothing before reuse.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA 704)
(4=Extreme; 3=High; 2=Moderate; 1=Slight; 0=Insignificant)
Health: 2 Flammability: 1 Reactivity: 0

SHIPPING REQUIREMENTS DOT Hazard Class:
Not regulated.

MSDS STATUS: Revised 1/92, Section 8

REGULATORY INFORMATION:

(Not meant to be all-inclusive—selected regulations represented).

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. See MSD Sheet for health and safety information.

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard

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