

MATERIAL SAFETY DATA SHEET NO. 433

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	First Choice® Sluggo Snail and Slug Bait
EPA Registration Number	67702-3-11656
Chemical Name	Ferric phosphate
Common Name, Synonyms	Sluggo; iron phosphate
MANUFACTURED FOR	Western Farm Service, Inc.
EMERGENCY TELEPHONE NUMBERS	Information (559) 438-6133 8am-5pm PST M-F CHEMTREC (800) 424-9300 24 hours every day

2. COMPOSITION/INFORMATION ON INGREDIENTS

Granules contain the following active **INGREDIENT**

<u>Chemical Name</u>	<u>CAS#</u>	
Ferric phosphate	10045-86-0	Refer to Section 8 for exposure guidelines

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Light tan granules. No odor

CAUTION! Moderately irritating to eyes

OSHA HAZARD CATEGORY - IRRITANT

CERCLA RATINGS (SCALE 0-3)

HEALTH = 1 FIRE = 0 REACTIVITY = 0 PERSISTENCE = 0

PRIMARY ROUTE(S) OF ENTRY	Skin or eye contact is the most likely exposure. Ingestion of granules, swallowing small amounts of dust or fines, or inhalation of dust or fines is possible.
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3. HAZARDS IDENTIFICATION (con't)

TARGET ORGANS Eyes, skin

POTENTIAL HEALTH EFFECTS

Eyes Causes moderate eye irritation

Skin Normally no irritation to skin

Inhalation Normally does not cause an inhalation hazard

Ingestion May cause slight gastrointestinal irritation. Ingesting large amounts of these granules may cause nausea, vomiting, stomach pain or cramps, diarrhea

SYMPTOMS OF OVEREXPOSURE

Acute Refer to potential health effects above.

Chronic Repeated or prolonged contact with irritants may cause conjunctivitis or dermatitis.

Notes to Physician Persons with chronic respiratory or skin disease may be at increased risk from exposure. Ingestion of some phosphates may cause a shock-like state, a fall in blood pressure, slow pulse, bluish skin color (cyanosis), coma, and painful muscular spasms (tetany).

4. FIRST AID MEASURES

Eyes Flush gently but thoroughly for 15 minutes with large amounts of clean water, occasionally lifting upper and lower lids. Seek medical attention.

Skin Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If redness or rash develops and persists, seek medical attention. Wash or clean contaminated clothing and shoes before wearing again.

Inhalation If respiratory symptoms develop, remove person to fresh air immediately. Seek medical attention if discomfort persists. Begin artificial respiration or CPR (cardiopulmonary resuscitation) if required and seek medical attention immediately.

Ingestion If person is conscious, give 8 to 16 ounces of water to drink and make person vomit. Do not force an unconscious person to drink or vomit. Seek medical attention,

5. FIRE FIGHTING MEASURES

FIRE AND EXPLOSION DATA

Flashpoint	Not flammable
Flammable Limits	Not flammable
Autoignition Temperature	Not applicable
Extinguishing Media	Water spray or extinguishing agents suitable to the surrounding fire

SPECIAL FIRE FIGHTING PROCEDURES

Keep unauthorized personnel away. Wear self-contained breathing apparatus and full protective clothing. Stay upwind. Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Control runoff waters. Ventilate closed spaces before entering. Always stay away from the ends of tanks.

UNUSUAL FIRE AND EXPLOSION HAZARDS

At high temperatures granules may release carbon dioxide and toxic fumes of carbon monoxide, nitrogen oxides, and phosphorus oxides.

NFPA RATING

NFPA SCALE

Health Hazard	1	0 Least
		1 Slight
Flammability	0	2 Moderate
		3 High
Reactivity	0	4 Extreme

6. ACCIDENTAL RELEASE MEASURES

First Choice Sluggo is formulated for use around plants. Losses incidental to correct application of this product in its intended uses are not expected to be harmful to people, animals, or the environment.

Dike spill area to prevent spread and movement into drains, storm sewers, and ditches that lead to waterways. Keep children, animals, and unauthorized personnel away from spills. Collect spilled material in suitable containers for removal. As conditions warrant, notify proper authorities, downstream sewer and water treatment operations, and other downstream users about potentially contaminated water.

7. HANDLING AND STORAGE

Hygienic Practices It is advisable to wash promptly if skin becomes contaminated; before eating, drinking, using tobacco, or chewing gum; before using toilet facilities; and at the end of the work shift before leaving worksite.

Storage Store in original container. Store in cool, dry area under roof.
Keep in a secure storage area away from children and animals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits No exposure limits have been set for this product.

Ventilation None required under normal conditions.

Eyes None required under normal conditions.

Skin Wear rubber gloves when handling product. Long sleeved shirt, long pants, and shoes plus socks should be worn as needed. If irritation occurs, impervious clothing and gloves should be worn.

Respiratory None required under normal conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES (typical)

Boiling Point Not applicable
Freezing point Not applicable

Vapor Pressure Not applicable
Vapor Density (air = 1) Not applicable
Percent Volatile (by Volume) Not applicable
Evaporation Rate Not applicable

Solubility in Water Mostly insoluble
pH Not applicable
Salt-out Temperature Not applicable

Bulk Density 0.79 g/ml
Specific Gravity (H₂O=1) Not known

Appearance and Odor Light tan granules
No odor

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions of use and storage
Hazardous Polymerization	Will not occur
Incompatibility	None found
Hazardous Decomposition Products	At high temperatures may release carbon dioxide and toxic fumes of carbon monoxide, nitrogen oxides, and phosphorus oxides.
Conditions to Avoid	None known

11. TOXICOLOGICAL INFORMATION

Ferric phosphate is used as a food and feed supplement, particularly in bread enrichment. Published health information about ferric phosphate includes the following:

LD50 > 5000 mg/kg (oral)
LD50 > 5000 mg/kg (dermal)

POTENTIAL CARCINOGEN DATA (IARC, NTP, OSHA)

None found for this product

FOR HEALTH EMERGENCIES CALL YOUR LOCAL POISON CENTER

12. ECOLOGICAL INFORMATION

No data found

First Choice Sluggo is formulated for use around plants. Prevent spread and runoff into drains, storm sewers, and ditches that lead to waterways. Do not apply directly to water.

13. DISPOSAL CONSIDERATIONS

If uncontaminated, recover and reuse as product. If contaminated with other materials, the nature and extent of contamination may require use of specialized disposal methods. Consult local, county, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations.

MSDS NO. 433

PRODUCT **First Choice Sluggo**
Snail and Slug Bait

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name	Not applicable
DOT Hazard Class	This material not regulated by DOT
ID No.	Not listed
Packaging Group	Not applicable
NA ERG No.	Not applicable

Label/Placard Required	None
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Freight Description	Insecticides, N.O.I., dry (NMF 102120)
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FOR TRANSPORTATION EMERGENCIES CALL CHEMTREC 1-800-424-9300

15. REGULATORY INFORMATION

Reportable Quantity - CERCLA None established

SARA Title III (EPCRA)	None listed
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EPA NATIONAL RESPONSE CENTER 1-800-424-8802

16. OTHER INFORMATION

DATE PREPARED	August 14, 1998 May 15, 2000; review and update; area code and fax changes
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NAME OF RESPONSIBLE PARTY	Western Farm Service, Inc. P.O. Box 1168 Fresno, California 93715 (559) 438-6133
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NOTICE

All information appearing in this document is based on data provided by third party sources and is compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act. The information is believed to be accurate as of the preparation date but is not warranted as being the final authority in the use of this product. This information does not purport to be legal or medical advice.

Western Farm Service, Inc., makes no warranty of merchantability, fitness for any purpose or otherwise, express or implied, concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on the label.

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