

1. IDENTIFICATION

Product Name: ARRET

Product Type: Potato Sprout Inhibitor

Manufacturer:

BioSafe Systems, LLC

22 Meadow St., East Hartford. CT 06108

888-273-3088

Creation Date: 9/14

EPA Registration No. 70299-20



2. HAZARDS IDENTIFICATION

Signal Word: Warning

Hazard Statements: Eye irritant; causes slight skin irritation and eye damage. May cause skin dryness or cracking. Possible human cancer hazard. If swallowed may be aspirated and cause lung damage. May be irritating to nose throat and lungs. Non-flammable liquid: will burn and vaporize

Precautionary Statements: Do not eat, drink or use tobacco when using this product. Do not breathe mist/vapors. Keep container tightly closed. Keep away from heat/sparks/open flames. Wear respiratory protection, protective gloves and eye protection. Use only in a well-ventilated area. Wash thoroughly after handling. Do not heat to temperatures approaching 200°F

3. COMPOSITION/INFORMATION

Chemical name & Percentage:

Component	CAS Number	Wt %
Pelargonic acid	112-05-0	61.1%
Other Ingredients	Inert Blend	38.9%

4. FIRST AID MEASURES

Eye: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

Call a poison control center or doctor for treatment advice

Skin or clothing: Take off contaminated clothing
Rinse skin immediately with plenty of water for 15-20 minutes

If swallowed: Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

If inhaled: Move person to fresh air.

If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.

Call poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

5. FIRE FIGHTING MEASURES

Flammable Properties:

Flash point: >200 (Tag closed cup)

Flammable Limits: LEL: ND UEL: ND

Autoignition Temperature: ND

Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide. Water – fog (water sprays) may be used to cool fire-exposed containers, structures and to protect personnel. Do not use straight streams of water

Unusual Fire and Explosion Hazards: Can be dangerous when exposed to heat and flame. Containers may explode in heat of fire. Vapors may concentrate in confined areas.

Combustion Products: Irritating or toxic substances may be emitted upon thermal decomposition, including oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

Protective Measures: Avoid contact with spilled material. Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low areas

Spill Cleanup: stop leaks. Recover by pumping or with suitable absorbent. Do not flush to sewer or waterways, prevent release to the environment if possible

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Do not breathe vapors or mist. Keep container closed, use in adequate ventilation. Wash hands after use

Storage: Store in tightly closed container in dry, well ventilated area away from excessive heat and incompatibles. Store at ambient or lower temperatures. Store out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: none listed

Engineering Controls: Provide mechanical ventilation for confined spaces

Personal Protective Equipment (PPE)

Eye Protection: Wear chemical safety glasses

Skin protection: Rubber gloves - protective or gauntlet type preferred when handling concentrate.
Respiratory Protection: NIOSH approved full-face respirator for excessive conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance; Clear light straw colored liquid

Odor; fatty to fruity

Vapor pressure; ND

Vapor density; ND

pH; 2-3

Density; 0.9 - 0.98

Melting point/freezing point; ND

Solubility; ND

Initial boiling point; ND

Flash point; >200°F;

10. STABILITY AND REACTIVITY

Stability; stable under normal conditions

Incompatibility; Strong bases, acids and oxidizers

Hazardous Decompositions: Does not decompose under ambient temperatures. Thermal decomposition may produce oxides of carbon and nitrogen

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (rat) = > 5,000 mg/kg

Dermal LD₅₀ (Rabbit) = > 2,000 mg/kg

Inhalation LC₅₀ (4 hr, Rat) = > 5.29

12. ECOLOGICAL INFORMATION

Material – product expected to be mildly to moderately toxic to aquatic organism LC 50 (rainbow trout) 96 hr, 61-110 mg/L
EC 50 48 hr daphnia 58-108 mg/L

Persistence and Degradability: This product is readily biodegradable. Bioaccumulation potential is moderate

13. DISPOSAL CONSIDERATIONS

Dispose this product in accordance with current laws and regulations. This product is suitable for burning in an enclosed controlled burner or incinerated at very high temperatures. Triple rinse containers (or equivalent). Then offer for recycling or dispose in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. Stay out of smoke.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT)

DOT: not regulated

TDG: not regulated

IMDG: not regulated

IATA: not regulated

Proper Shipping Name: surfactant

UN Number: ND

15. REGULATORY INFORMATION

U.S. Federal Regulations

OSHA Hazard Communication: non-hazardous

CERCLA: not subject to reporting requirements

EPCRA: contains no extremely hazardous substances

TSCA: All components of this product are included on the TSCA inventory

SARA Section 311/312 (40 CFR 370) Hazard Categories

Immediate hazard: yes

Delayed Hazard: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

Acute health Hazard: No

Chronic Health Hazard: No

SARA Section 313: None

Canadian Workplace Hazardous materials Information System (WHMIS): Class B-2 Non-Flammable Liquid

16. OTHER INFORMATION

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