

Material Safety Data Sheet



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

EPA Reg. Number: 67690-13
Effective Date: 02/02/05

Cutless* 0.33G Landscape Growth Regulator

SePRO Corporation Carmel, IN 46032

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Cutless* 0.33G Landscape Growth Regulator

COMPANY IDENTIFICATION:

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

2. COMPOSITION / INFORMATION ON INGREDIENTS

Flurprimidol:	CAS #056425-91-3	0.33%
alpha-(1-Methylethyl)- alpha-(4-trifluoromethoxy) phenyl)-5-pyrimidinemethanol		
Balance, total, including:		99.67%
Propylene glycol monomethyl ether	CAS # 000107-98-2	
Attapulgite Clay (contains crystalline silica)	CAS# 008031-18-3	

3. HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW

Tan granule with an aromatic odor. May cause eye irritation or corneal injury due to mechanical action.

EMERGENCY PHONE NUMBER: 800-535-5053

4. FIRST AID

EYES: Flush eyes with plenty of water; remove contact lenses after the first 1-2 minutes then continue flushing for several minutes. Only mechanical effects expected.

SKIN: Wash skin with plenty of water.

INHALATION: Move person to fresh air; if effects occur, consult a physician.

INGESTION: No emergency medical treatment necessary.

NOTE TO PHYSICIAN: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable
METHOD USED: Not applicable

FLAMMABLE LIMITS

LFL: Not applicable.
UFL: Not applicable

EXTINGUISHING MEDIA: Water fog, foam, dry chemical

FIRE AND EXPLOSION HAZARDS: If product is involved in fire, toxic fumes may be emitted.

FIRE-FIGHTING EQUIPMENT: Wear positive-pressure, self-contained breathing apparatus and full protective clothing if product is involved in fire.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS AND LEAKS: Sweep up unusable material and place into suitable containers for disposal. Do not contaminate water, food, or feed by storage or disposal.

Report large spills to INFOTRAC or consult SePRO Corporation for assistance. Prevent runoff.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid contact with eyes, skin, and clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust.

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8. EXPOSURE CONTROL / PERSONAL PROTECTION

These precautions are suggested for conditions where the potential for exposure exists. If handling procedures are such that there is only a low potential for exposure, less protection may be needed. Emergency conditions may require additional precautions.

EXPOSURE GUIDELINE(S):

Flurprimidol: SePRO Industrial Hygiene Guideline is 5 mg/M³.

Propylene glycol monomethyl ether: ACGIH TLV and OSHA PEL are 100 ppm TWA, 150 ppm STEL.

Silica, crystalline: ACGIH TLV is 0.05 mg/M³ for quartz, tripoli, and fused silica; 0.05 mg/M³ (respirable) for cristobalite and tridymite. OSHA PEL is 10%/SiO₂ + 2 mg/M³ (respirable) for quartz, Tripoli, and fused silica; 1/2 the value calculated from the respirable dust formula for quartz and cristobalite and tridymite.

ENGINEERING CONTROLS: Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

RESPIRATORY PROTECTION: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required for certain operations, use an approved air-purifying respirator.

SKIN PROTECTION: No precautions other than clean body-covering clothing should be needed

EYE/FACE PROTECTION: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

APPLICATORS AND ALL OTHER HANDLERS: Refer to the product label for personal protective clothing and equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: Not applicable
VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Not applicable
SOLUBILITY IN WATER: Slightly soluble
SPECIFIC GRAVITY: Not applicable
APPEARANCE: Free-flowing tan granules
ODOR: Slight aromatic odor
BULK DENSITY: 62 lbs/ft³

10. STABILITY AND REACTIVITY

STABILITY: (CONDITIONS TO AVOID) Product is stable at normal temperatures.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) None known.

HAZARDOUS DECOMPOSITION PRODUCTS: If product is involved in fire, oxides of nitrogen and other toxic gases may be formed.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

EYE: Solid or dust may cause irritation or corneal injury due to mechanical action.

SKIN: Prolonged exposure not likely to cause significant skin irritation. Did not cause allergic skin reactions when tested in guinea pigs. Prolonged skin contact unlikely to result in adsorption of harmful amounts. The dermal LD₅₀ has not been determined.

INGESTION: Very low toxicity if swallowed. Single dose LD₅₀ has not been determined. Harmful effects not anticipated from swallowing small amounts.

INHALATION: Minor component(s) present in this material in small amounts, when tested separately, caused irritation of eyes, nose, throat, and central nervous system.

SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Minor component(s) present in this material in small amounts, when tested separately, caused central nervous systems effects. Repeated excessive exposure to crystalline silica may cause silicosis, a progressive and disabling disease of the lungs. Some evidence suggests that kidney effects may result from excessive exposure also.

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CANCER INFORMATION: This mixture contains crystalline, which is listed by IARC and NTP as a carcinogen for hazard communication purposes under OSHA Standard 29 CFR 1910.1200. Crystalline silica has been shown to cause cancer in laboratory animals and humans.

TERATOLOGY (BIRTH DEFECTS): No relevant information found.

REPRODUCTIVE EFFECTS: No relevant information found.

MUTAGENICITY: No relevant information found.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Do not apply directly to water, to areas where surface water is present, or to inter-tidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Wastes resulting from use of this product may be used on site according to use directions or disposed of at an approved waste disposal facility.

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: 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
A delayed health hazard

TOXIC SUBSTANCES CONTROL ACT (TSCA): All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

STATE RIGHT-TO-KNOW: This product is not known to contain any substances subject to the disclosure requirements of

New Jersey
Pennsylvania

OSHA HAZARD COMMUNICATION STANDARD: This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

Health	1
Flammability	0
Reactivity	0

16. OTHER INFORMATION, USES AND RESTRICTIONS

MSDS STATUS: New MSDS

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

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