

Material Safety Data Sheet

Product Name: **SEGWAY® FUNGICIDE SC**

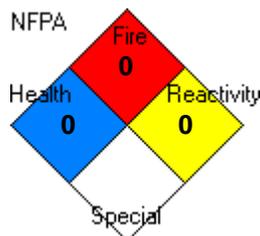
MSDS No.: 640-5

Version No.: 001

EPA Registration No.: 71512-13-2217

1. Basic Information:

Manufacturer: PBI-Gordon Corporation
Address: 1217 West 12th Street
City, State Zip: Kansas City, MO 64101
Information Contact: Environmental, Health, & Safety Dept.
Information Telephone Number: 816-421-4070
Emergency Contact: Chemtrec
Emergency Telephone Number: (800)424-9300



0	Health
0	Flammability
0	Reactivity
A	Pers. Protection

Last Update: 1/30/2014

Chemical State: Liquid Gas Solid
Chemical Type: Pure Mixture

2. Ingredients:

Trade Secret (ND = Not Disclosed)

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
120116883	Cyazofamid	34.5%	N	N	N	N	N			

3. Hazardous Identification:

Hazard Category:
 Acute Chronic Fire Pressure Reactive

Hazardous Identification Information:
 light tan liquid with slight musty odor.

Maybe harmful if absorbed through the skin.

4. First Aid Measures:

Route(s) of Entry:
 Contact, inhalation, ingestion.

Health Hazards (Acute and Chronic):
 EYES: Non-irritant.

SKIN: Non-irritant. Not a sensitizer. May be harmful if absorbed through skin.

INHALATION: Repeated or prolonged exposure may cause lung irritation.

INGESTION: No significant hazard expected unless large quantities are ingested.

Signs and Symptoms:
 NI

Medical Conditions Generally Aggravated by Exposure:
 NI

Emergency First Aid Procedure:
 IF SWALLOWED: Call a 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF IN EYES: 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. Call a poison control center if irritation persists.

First Aid Measures (Continued)

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Other Health Warnings:
 Limited information regarding chronic exposure has been collected. Appropriate precautions should be taken to minimize exposure. Classified as "not likely to be carcinogenic to humans" based on rat and mouse studies.

5. Fire Fighting Measures:

Flash Point: 115°F **F.P. Method:** NI
Lower Explosive Limit: NI
Upper Explosive Limit: NI

Fire Extinguishing Media:
 The low flash point of this product is due to a minor component in the mixture. Based upon independent laboratory testing of similar products, this product would not sustain combustion as specified in DOT Regulation CFR 173 Appendix H and therefore would not be classified as a combustible liquid.

SMALL FIRES: Use water spray, dry chemicals, foam or carbon dioxide.
 LARGE FIRES: Use water spray, dry chemicals, foam, or carbon dioxide. DO NOT use water jet.

Special Fire Fighting Procedures:
 Under fire conditions, product may decompose to emit hazardous vapors and gases which may irritate to the respiratory tract.

Unusual Fire and Explosion:
 NI

6. Accidental Release Measures:

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Accidental Release Measures (Continued)

Steps to be Taken in Case Material is Released or Spilled:

Contain spill. Remove as much as possible and remove any contaminated soil. Place in closed, labeled container and store in a safe place to await proper disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Persons performing this work should wear adequate personal protective equipment and clothing.

7. Handling and Storage:

Precautions to be Taken:

Store in a cool place.
Protect from excessive heat. Keep away from food, drink and animal feeding stuffs.
Keep out of reach of children.

Other Precautions:

Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

8. Exposure Controls/Personal Protection:

Ventilation Requirements:

In production facilities, provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protective Equipment:

Wear chemical resistant, waterproof gloves.

Protective clothing consisting of a long-sleeved shirt, long pants, socks and shoes, and chemical resistant gloves should be worn when handling this product. The clothing should be changed at least daily. Persons routinely exposed to this product should shower after completing work each day. Contaminated clothing should be removed and washed thoroughly before re-use. Wash separately from other clothing.

WORKER PROTECTION STANDARD: Applicators and other handlers must wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves made of any waterproof material. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Do not allow contact of contaminated clothing with unprotected skin. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

9. Physical and Chemical Properties:

Boiling Point: NI

Melting Point: NI

Evaporation Rate (Butyl Acetate = 1) : NI

Vapor Pressure (mm Hg.): NI

Vapor Density (Air = 1): NI

Specific Gravity (H₂O = 1): 1.15400

Solubility in Water: Emulsifiable in all proportions

Appearance and Odor: Light tan with musky odor

Other Information:

pH: 6.2 (1% solution)

Freezing Point: 23°F for -5°C

Weight/Gallon: 9.61 pounds/gallon

10. Stability and Reactivity:

Stability and Reactivity (Continued)

Stability:

Stable

Incompatibility (Materials to Avoid):

Active ingredient degrades with iron, aluminum, iron acetate or aluminum acetate at Active ingredient degrades with iron, aluminum, iron acetate or aluminum acetate at 54°C.

Decomposition/By-Products:

Under fire conditions, product may decompose to emit hazardous vapors and gases which may irritate to the respiratory tract.

Hazardous Polymerization:

Will not occur.

11. Toxicological Information:

Acute oral toxicity (LD₅₀): >5000 mg/kg [Rat].

Acute dermal toxicity (LD₅₀): >2000 mg/kg [Rat].

Acute inhalation toxicity (4-hour) (LC₅₀): >5.9 mg/L (measured); >16.2 mg/L (nominal).

Eye irritation: Non-irritant.

Primary skin irritation: Non-irritant (rabbit).

Dermal sensitization: Non-sensitizer.

Mutagenicity (Ames test): Negative.

12. Ecological Information:

Cyazofamid has a low toxicity to terrestrial, aquatic and marine organisms. Due to low rates of application and rapid degradation in soil and water, cyazofamid should not persist in the environment. However, as with all crop protection products, take precautions when handling and applying so as to prevent contamination of areas surrounding the test site. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

13. Disposal Considerations:

WASTE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transport Information:

DOT CLASSIFICATION: Not a DOT controlled material (in the United States).

PESTICIDES, NOI, INCLUDING DEFOLIANTS, FUNGICIDES, HERBICIDES, OR INSECTICIDES- NMFC # 155050-6

IATA (Air Transport): Not applicable.

IMDG (Ocean Transport): Not applicable.

15. Regulatory Information:

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

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Regulatory Information (Continued)

CERCLA REPORTABLE QUANTITY: None

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: None.

SECTION 313 TOXIC CHEMICALS: None

16. Other Information:

REASON FOR ISSUE: To revise MSDS to the ANSI Z400.1-1998 format

NOTE: NI means not indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.

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