

SEGWAY® O

EPA Registration Number: 71512-13-59807

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name : SEGWAY® O
EPA Registration No. : 71512-13-59807
Chemical Name : Cyazofamid
Product Use : Ornamental Fungicide
Company Name : OHP, Inc.
 PO Box 51230
 Mainland, PA 19451
 (800) 659-6745

TRANSPORTATION EMERGENCY (24 hours a day) call : Chemtrec: 1-800-424-9300
MEDICAL EMERGENCY (24 hours a day) and Product Information call : 1-800-356-4647

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	% by WT.	OSHA PEL	TLV's TWA	STEL
Active Ingredient					
Cyazofamid	120116-88-3	34.5	N/A	N/A	N/A

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects
Eye Contact : Non-irritant
Ingestion : No significant hazard expected unless large quantities are ingested.
Inhalation : Repeated or prolonged exposure may cause lung irritation.
Skin Contact : Non-irritant. Not a sensitizer. May be harmful if absorbed through skin.
Skin Absorption : Not readily absorbed through intact skin.

Potential Chronic Health Effect : 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.

4. FIRST AID MEASURES

Eye Contact : 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 or doctor for treatment advice.
Skin Contact : 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.
Inhalation : 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.
Ingestion : 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.

5. FIRE AND EXPLOSION DATA

FlashPoint : None observed
Auto-Ignition Temperature : 503°C using 100 ul
Flammability Limits : Not established.
Upper Flammability Limit . . . : not applicable
Unusual Fire and Explosion Hazards : None known.
Fire Fighting Media and Instructions :
 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.

6. ACCIDENTAL RELEASE MEASURES

Spill or Release : 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.

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7. HANDLING AND STORAGE

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: 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 Protection: Wear chemical resistant, waterproof gloves.

Other Clothing

and Equipment: 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.

Exposure Limits: Not established.

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

Physical appearance: Light tan/beige liquid.

Odor: Slight odor; "musty latex paint"

pH: 6.2 (1% dilution in water)

Boiling Point: Not determined.

Melting Point: 152.7°C (based on active ingredient).

Freezing Point: -5°C

Specific Gravity: 1.154 g/ml (Water = 1)

Vapor Pressure: $<1 \times 10^{-7}$ torr at 25°C
(1.33×10^{-5} Pascal) (based on active ingredient)

Vapor Density: Not available.

Volatility: Not available.

Evaporation rate: Not available.

Bulk Density: Not available.

Solubility: 0.107 mg/L at pH 7 @ 20°C
(based on active ingredient)

10. STABILITY AND REACTIVITY DATA

Stability: The product is stable.

Conditions of Instability: None known.

Incompatibility with various

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

Conditions Contributing to Hazardous

Polymerization: Not known to polymerize.

Hazardous Decomposition

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

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11. TOXICOLOGICAL INFORMATION

Routes of Entry NONE

Toxicity to Animals 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

Environmental Hazards . . . : 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 (United States).

Proper Shipping Name : Not applicable.

DOT Identification Number : Not applicable.

Packing Group : Not applicable.

Hazardous Substances Reportable Quantity : Not a hazardous substance.

Special Provisions for Transport : No additional remark.

DOT (Pictograms) :



IATA (Air Transport)

Proper Shipping Name : Not applicable.

Hazard Class : Not controlled under IATA.

Identification Number : Not applicable.

Packing Group : Not applicable.

IATA (Pictograms) : Not available.

IMDG (Ocean Transport)

Proper Shipping Name : Not applicable.

Hazard Class : Not controlled under IMDG.

Identification Number : Not applicable.

Packing Group : Not applicable.

IMDG (Pictograms) : Not available.

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15. OTHER REGULATORY INFORMATION AND PICTOGRAMS

Federal and State

Regulations :
SARA 313 Inventory Ingredients: Not listed.
SARA 312 Hazard Categories: None.
Listed as carcinogen by IARC, NTP, OSHA or
CA Prop 65: No

HMIS (U.S.A.) :

Health Hazard	0
Fire Hazard	0
Reactivity	0
Personal Protection	a

National Fire Protection Association (U.S.A.) :



Protective Clothing (Pictograms) :



16. OTHER INFORMATION

Notice to Reader

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion, the information as of the date of the Material Safety Data Sheet is reliable; however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you; and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by OHP, Inc. as to the results to be obtained based upon your use of the information, nor does OHP, Inc. assume any liability arising out of your use of the information.

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