



MATERIAL SAFETY DATA SHEET

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TRANSPORTATION EMERGENCY

CHEMTREC:(800)-424-9300

EMERGENCY AND PRODUCT INFORMATION

OHP, Inc.:(800)-356-4647

HORMODIN®2

EPA Registration Number: 59807-2

I. CHEMICAL PRODUCT INFORMATION

Trade Name: Hormodin 2
Chemical Name: Indole-3-butyric acid
Chemical Classification: Butyrate
Activity/Intended use: Root inducing substance

Special Fire

Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective equipment.

Fire and Explosion Hazard: None Known

Hazardous Decomposition Products

Resulting from a Fire: None Known

II. PRINCIPAL HAZARDOUS COMPONENTS

| Component | Molecular Formula | Molecular Weight | CAS Number | Percent (%) 2 |
|------------------------|---|------------------|------------|------------------|
| Indole 3-butyric acid | C ₁₂ H ₁₃ NO ₂ | 203.23 | 133-32-4 | 0.3 |
| Talc (non-asbestiform) | | Not Available | 14807-96-6 | 99.7 |

V. FIRST AID

If on Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call poison control center or doctor for treatment advice.

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 eye. Call poison control center or doctor immediately for treatment advice.

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.

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.

Effects of Chronic Exposure ..: Long term massive exposure to dust may cause lung damage.

III. PHYSICAL DATA

Physical Description: Grayish-white, fine powder
Odor: Slight odor
Boiling Point (°C/°F): Not Applicable
Freezing Point (°C/°F): Not Applicable
Melting Range (°C/°F): Not Applicable
pH: Not Applicable
Solubility in water: Insoluble
Specific Gravity (Water=1): Not Applicable
Vapor Density (Air=1): Not Applicable
Vapor Pressure (mmHg @ °C/°F): Not Applicable
Volatile Component (% w/w) ..: Not Applicable
Vapor Density (Air=1): Not Applicable
Vapor Pressure (mm Hg @ °C/°F): Not Applicable
Volatile Components (% w/w) ..: Not Applicable

VI. TOXICOLOGICAL DATA

LD50 Male rate (Oral): 1.998 g/kg (non-toxic)

LD50 Female rats (Oral): 1.807 g/kg (non-toxic)

VII. SPILL/LEAK/DISPOSAL PROCEDURE

- a. Immediately contact emergency response personnel. Keep unnecessary persons away. If emergency response personnel are unavailable, vacuum, shovel or sweep up spilled material and place in an appropriate container for disposal. Use suitable protective equipment (Sect 9). Follow all fire prevention procedures (Section 4).

IV. FIRE and EXLOSION HAZARD DATA

Flash Point (°C/°F): Not Applicable
Flash Point Test Method: Not Applicable
Flammable Limits LEL UEL (%) : Not Applicable
Extinguishing Media: Not Applicable

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- b. For additional assistance, CHEMTREC provides a toll-free Hotline for chemical emergencies regarding spills, leaks, exposure or accidents; 800-424-9300.
- c. Avoid contact of spilled materials and runoff with soil and surface waterways. Dispose of or treat all spill residues including contaminated soils following all federal, state and local regulations.

VIII. STORAGE

Handling and Storing: Store in a cool, dry place. Avoid contact with eyes and skin. Do not breathe dust. Do not ingest. Wash thoroughly after use.

Other: Keep containers closed when not in use. Keep out of reach of children.

IX. HEALTH HAZARD DATA

| Componets | OSHA Permissible Exposure Limit (PEL) | ACGIH-1988-89 Threshold Limit Value | Exposure Control Limit (ECL) |
|-----------------------|---------------------------------------|-------------------------------------|------------------------------|
| Indole 3-butyric acid | Not Established | Not Established | Not Established |
| Talc | | | * 2 mg/m2 |

(*Respirable dust, non-asbestiform talcs of less than 1% free silica)

Carcinogen Designation: Not listed with NTP, LARC and OSHA

X. SPECIAL PROTECTION INFORMATION

Respiratory: If use results in high dust conditions, an MSHA-NIOSH approved respirator for dust is recommended.

Hands/Arms: Impervious gloves.

Eye/Face: Safety goggles.

Additional Protective Equipment: Protective clothing such as coveralls and/or apron.

Ventilation: Local exhaust is recommended in dusty conditions. Proper ventilation should be maintained to keep dust exposure below TLV for talc.

XI. TRANSPORTATION DESCRIPTION

Shipping requirements: Not regulated by D.O.T.

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