



# MATERIAL SAFETY DATA SHEET

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## TRANSPORTATION EMERGENCY

CHEMTREC: .....(800)-424-9300

## EMERGENCY AND PRODUCT INFORMATION

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

### HORMODIN®1

EPA Registration Number: 59807-4

#### I. CHEMICAL PRODUCT INFORMATION

Trade Name .....: Hormodin 1  
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 (%) 1
Indole 3-butyric acid	C <sub>12</sub> H <sub>13</sub> NO <sub>2</sub>	203.23	133-32-4	0.1
Talc (non-asbestiform)		Not Available	14807-96-6	99.9

#### 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)

#### 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

#### 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).

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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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