

HORMODIN[®] 1, HORMODIN[®] 2, HORMODIN[®] 3

EPA Registration No's: 59807-4, 59807-2, 59807-3

1. IDENTIFICATION

Product Identifier : Hormodin[®] 1, 2, 3
EPA Registration No. : 59807-4, 59807-2,
 59807-3
Recommended use : Rooting Hormone.
Restrictions on use : Not for human or
 animal use.
Company information : OHP, Inc.
 PO Box 51230
 Mainland, PA 19451
 (800) 659-6745
Emergency telephone number
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
SDS Information or
Request. : ohp.com

Chemical Name	CAS-No.	(%)	LD50 (Oral)
Indole-3-Butyric Acid (IBA)	133-32-4	0.1 - 0.9	100 mg/kg (ORAL, MOUSE)

2. HAZARDS IDENTIFICATION

GHS Classification
 Serious eye damage/eye irritation - Category 2B
GHS Label Elements
Signal Word : Warning
Hazard Statement(s) : Causes eye irritation.
Precautionary Statement(s):
Prevention : Wash hands thoroughly
 after handling.
 Wash hands and skin thoroughly after handling.
Response : IF IN EYES:
 Rinse cautiously with water for several minutes. Re-
 move contact lenses, if present and easy to do.
 Continue rinsing.
 If eye irritation persists: Get medical advice/attention.

4. FIRST AID MEASURES

First-aid Measures
Inhalation : Move to fresh air.
 Get medical advice/attention if you feel unwell or are
 concerned. If breathing is difficult, trained personnel
 should administer emergency oxygen if advised to
 do so by Poison Center or doctor.
Skin Contact. : Take off contaminated
 clothing, shoes and leather goods (e.g. watchbands,
 belts). Immediately wash gently and thoroughly with
 lukewarm, gently flowing water and mild soap for 15-
 20 minutes. Get medical advice/attention if you feel
 unwell or are concerned.
Eye Contact : Immediately rinse the
 contaminated eye(s) with lukewarm, gently flowing
 water for 15-20 minutes, while holding the eyelid(s)
 open. If eye irritation persists, get medical advice/
 attention.
Ingestion. : Rinse mouth with water.
 Get medical advice/attention if you feel unwell or are
 concerned.
Immediate Medical Attention and Special Treatment
Target Organs : Eyes, digestive system,
 respiratory system.
Special Instructions. : Monitor lung function.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS-No.	(%)	LD50 (Oral)
Talc (Magnesium silicate hydroxide)	14807-96-6	95 - 99	NA

5. FIREFIGHTING MEASURES

Suitable Extinguishing Media. : Not combustible.
 Use extinguishing agent suitable for surrounding fire.
 Carbon dioxide, dry chemical powder, appropriate
 foam, water spray or fog.
Specific Hazards Arising from the Chemical : Does not burn.
 Corrosive, oxidizing nitrogen oxides; very toxic car-
 bon monoxide, carbon dioxide.
Special Protective Equipment and Precautions for Fire-fighters : Wear self-contained
 breathing apparatus in confined areas or when ex-
 posed to combustion products.

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6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures. . . . : Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental

Precautions : It is good practice to prevent releases into the environment.

Methods and Materials for Containment and

Cleaning Up : If clean and dry. Sweep up spilled material and use or dispose of in approved manner. Do not use water as this will make surfaces extremely slippery. If wet, flush heavily with water until non-slippery.

7. HANDLING AND STORAGE
Precautions for

Safe Handling. : Should only be handled by those trained in potentially hazardous materials. Prevent skin contact. Do not get in eyes. Only use where there is adequate ventilation. Avoid generating dusts. Surfaces subject to spills or dusting can become extremely slippery. Keep surfaces clean and dry.

Conditions for

Safe Storage. : Keep out of reach of children. Store in an area that is: cool, dry, ventilated. Store in the original, labelled, shipping container. Store in a closed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Talc (Magnesium silicate hydroxide)	2 mg/m3		2 mg/3m			

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection : Wear chemical safety goggles and face shield when contact is possible.

Skin Protection : Wear chemical protective clothing e.g. gloves, aprons, boots.

Eye/Face Protection : Use an appropriate respirator or dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES
Basic Physical and Chemical Properties

Appearance : fine powder.
Particle Size:
Not available

Odour : Not available

Odour Threshold : Not applicable

pH : 9.5 (5% solution)

**Melting Point/
Freezing Point** : 124 - 126 °C (melting);
Not available (freezing)

**Initial Boiling
Point/Range** : Not available

Flash Point : Not available

Flammability (solid, gas) . . : Will not burn.

**Upper/Lower Flammability or
Explosive Limit.** : Not available (upper);
Not available (lower)

Vapour Pressure : Not available

Vapour Density (air = 1) . . : Not available

**Relative Density
(water = 1)** : Not available

Solubility. : Not available in water

**Partition Coefficient, n-Octanol/Water
(Log Kow)** : Not available

**Decomposition
Temperature** : Not available

Viscosity. : Not available (kinematic);
Not available (dynamic)

Other Information

Physical State : Solid

Molecular Formula. : Not applicable

Molecular Weight. : Not applicable

Bulk Density. : Not available

10. STABILITY AND REACTIVITY

Reactivity : Not reactive under normal conditions of use.

Chemical Stability : Normally stable.

**Possibility of
Hazardous Reactions** : None expected under normal conditions of storage and use.

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Conditions to Avoid: Light. Heat.
Incompatible materials.

Incompatible Materials: Strong oxidizing agents,
strong bases.

**Hazardous Decomposition
Products**: Very toxic carbon
monoxide, carbon dioxide; corrosive, oxidizing
nitrogen oxides.

Reproductive Toxicity

**Development of
Offspring**: No information was
located.

**Sexual Function and
Fertility**: No information was
located.

**Effects on or
via Lactation**: No information was
located.

Germ Cell Mutagenicity: No information was
located.

Interactive Effects: No information was
located.

11. TOXICOLOGICAL INFORMATION

**Likely Routes of
Exposure**: Inhalation; eye contact.

Acute Toxicity

Chemical Name	LD50 (oral)	LC50	LD50 (dermal)
Indole-3-Butyric Acid (IBA)	100 mg/kg (mouse)		

Skin Corrosion/Irritation: May cause mild irritation
based on information for closely related chemicals. Gran-
ulomas have been reported when talc was introduced into
open wounds.

Serious Eye

Damage/Irritation: May cause serious eye
irritation based on information for closely related ma-
terials.

STOT (Specific Target Organ Toxicity)

- Single Exposure

Inhalation: Symptoms may include
coughing, shortness of breath, difficult breathing and
tightness in the chest.

Skin Absorption: Not absorbed
through skin.

Ingestion: Can cause effects as
described for inhalation. May cause adverse health
effects.

Aspiration Hazard: No information was
located.

STOT (Specific Target Organ Toxicity)

- Repeated Exposure

May cause irritation of the respiratory system. Re-
spiratory tract injury has been observed. Symptoms
may include shortness of breath, rapid breathing,
and coughing. The ability to do some physical activi-
ties can be reduced.

Carcinogenicity: No information was
located.

12. ECOLOGICAL INFORMATION

Toxicity: No information was
located.

**Persistence and
Degradability**: No information was
located.

Bioaccumulative Potential: No information was
located.

Mobility in Soil: No information was
located.

Other Adverse Effects: There is no information
available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Contact local environ-
mental authorities for approved disposal or recycling
methods in your jurisdiction.

14. TRANSPORT INFORMATION

Not regulated under Canadian TDG Regulations.
Not regulated under US DOT Regulations.
Not regulated under IATA Regulations.

Special Precautions

for User: Not applicable

**Transport in Bulk According to
Annex II of MARPOL 73/78 and**

the IBC Code: Not applicable

HORMODIN® 1, HORMODIN® 2, HORMODIN® 3**EPA Registration No's: 59807-4, 59807-2, 59807-3****15. REGULATORY INFORMATION****EPA/FIFRA Information:**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information required on the pesticide label:

Signal word:: Caution!

Hazard statements:: Causes moderate eye irritation. Wear protective eyewear (goggles, face shield or safety glasses).
Harmful if inhaled or absorbed through the skin
Avoid contact with eyes, skin or clothing.
Avoid breathing dust. Wash thoroughly with soap and water after handling.
Remove contaminated clothing and wash before re-use.

16. OTHER INFORMATION

EPA Registration No's : Hormodin 1 = 59807-4
Hormodin 2 = 59807-2
Hormodin 3 = 59807-3

Date of Preparation: May 22, 2015

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, neither OHP, Inc., nor any of its distributors, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any product is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

Hormodin is a registered trademark of OHP, Inc.