



# Material Safety Data Sheet

DATE OF ISSUE July 13, 2001

Supersedes March 13, 2000

## Cobra™ Rod

### 1. Chemical Product and Company Identification

Trade name (as labeled): Cobra™Rod  
 Product Class: Fungicide/Wood Preservative  
 Product description: Fungicide in the form of solid fused glass rod; used to prevent decay in wood structures by inserting into pre-drilled holes.  
 EPA Reg. No.: 71653-2  
 Manufacturer's Name: **GENICS INC.**  
 561 Acheson Rd. 53016 Hwy 60  
 Acheson Industrial Park.  
 Spruce Grove, Alberta  
 Canada T7X 3G7

**Emergency Phone:** (780) 975-1937  
 or **CANUTEC** ..... (613) 996-6666

Genics Business Phone: (780) 962-1000  
 MSDS Prepared by: Ryan Smart  
 Revision Date: July 13, 2001

### 2. Composition / Information on Ingredients

Name	% W/W	CAS #	ACGIH TLV	OSHA PEL
Anhydrous Disodium Octaborate	90.6%	12008-41-12	NE	NE
Copper	2.6%	20427-59-2	1 mg/m <sup>3</sup> (Cu dust + mist)	1 mg/m <sup>3</sup> (Cu dust + mist)
Boric Acid	4.7%	10043-35-3	NE	NE

\*NE = Not Established

### 3. Hazard Identification

- Overview:** Cobra™Rods are a dark green, solid, glass-like substance that are not flammable, combustible, or explosive and have low acute oral and zero dermal irritation.
- Ingestion:** Cobra™Rods are not intended for ingestion. Cobra™Rods have low acute toxicity and small amounts accidentally swallowed are not likely to cause toxic effects.
- Skin:** Cobra™Rods cause zero dermal irritation.
- Inhalation:** Solid, NA  
Some Cobra™Rods may have sharp edges and in cases where they are completely swallowed these sharp edges may cause grazing of the intestinal tract.

### 4. First Aid Measures

**Eyes:** Properly used Cobra™Rods present no hazard to eyes.  
**Swallowing:** Primary risk from choking, administer first aid for such and take to hospital.  
**Inhalation:** Properly used Cobra™Rods present no inhalation risk.  
**Skin:** Skin contact does not present any unusual hazard. Areas in contact with Cobra™Rods can be washed with soap and water.

### 5. Firefighting

Product is non-combustible. Extinguishing media N/A.

### 6. Spillage, Accidental Release

In the event of an incidental releases, collect product in a suitable container and return to the manufacturer or dispose of in accordance with Federal, Provincial, and local waste disposal regulations.

### 7. Handling and Storage Procedures

- Keep out of reach of children at all times.
- Store in dry conditions in original, properly labelled container, out of reach of children.
- Do not use in situations where food could become contaminated.
- Cobra™Rods cause zero dermal irritation.
- When inserting, push home using a wooden or plastic dowel.
- Never strike the rod with a hammer or similar object as this may result in the rod shattering.



## 8. Exposure Controls – Personal Protection

**Ventilation Requirements:** No special ventilation system required. **Eye Protection:** Safety glasses  
**Respiratory Protection:** None required under routine conditions of use. **Body Protection:** None needed under normal conditions of use.  
**Hygienic Practices:** Wash hands before eating or smoking. **Hand Protection:** Wear gloves to protect hands from sharp edges.

## 9. Physical and Chemical Properties

**Vapour Density:** NA **Evaporation Rate (water =1):** NA **Density:** 2.223 g/ml  
**Melting Point/Range:** 1000°C **Solubility:** 27% at 25°C **Boiling Point:** NA  
**Vapour Pressure mm Hg @20°C:** NA **Appearance and Colour:** Green-black, hard, glass-like rods. **Flashpoint:** NA

## 10. Stability and Reactivity

**Stability:** Stable **Conditions to Avoid:** No known conditions to avoid.  
**Hazardous Decomposition Products:** None **Incompatibility (Materials to Avoid):** No known materials to avoid.  
**Hazardous Polymerization:** Will not Occur

## 11. Toxicological Information

Name	Toxicological Data
Anhydrous Disodium Octaborate	LD <sub>50</sub> (oral, rat) 2550 mg/kg B.W.
Copper	LD <sub>50</sub> (oral, rat) 1000 mg/kg B.W.
Boric Acid	LD <sub>50</sub> (oral, rat) >3500 mg/kg B.W.

There are no medical conditions known to be aggravated by exposure to this product.  
Cobra™Rods cause zero dermal irritation.

## 12. Ecological Information

- Boron and Copper are essential micronutrients for healthy plant growth, however, this product can be harmful to boron or copper sensitive plants in high quantities. Care should be taken to minimize the amount of product released to the environment.
- Boron and Copper are naturally occurring and ubiquitous in the environment.
- This product has a relatively low mammalian toxicity.
- This product is not known to pose any adverse effect on aquatic life when applied as per label instructions.
- This product is soluble in water and leachable through normal soil.

## 13. Disposal Considerations

Dispose of as per label instructions. Waste disposal must be in accordance with appropriate federal, state, and local regulations.

## 14. Transportation Information

- Not classified as dangerous goods under ADR or PGR regs.
- No special requirements necessary.
- In the event of a road accident, Cobra™Rods should be collected in a suitable container (i.e. plastic bag) and returned to manufacturer, used according to label instructions, or disposed of according to disposal regulations.

## 15. Regulatory Information

Product ingredients not listed as a carcinogen or potential carcinogen on the following lists: US OSHA Z LIST, NTP, IARC, CAL/OSHA.

## 16. Other Information

- take care when administering first aid for choking especially in cases where patients are unconscious.
- If possible seek qualified first aid assistance.

This information is furnished free of charge and is based on data believed to be reliable as of the date hereof. It is intended for use by persons possessing technical knowledge at their own discretion and risk. Since actual use is beyond our control, no guarantee, expressed or implied, and no liability is assumed by Genics Inc. in conjunction with the use of this information.

GENICS INC.