



# Material Safety Data Sheet

DATE OF ISSUE November, 2002

## Genics™ PostGuard

### Chemical Product and Company Identification

Trade name (as labeled): Genics™ PostGuard  
 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.  
 PCP Registration No.: 27214  
 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

### Composition / Information on Ingredients

Name	% W/W	CAS #	ACGIH TLV	OSHA PEL
Anhydrous Disodium Octaborate	88.9%	12008-41-12	NE	NE
Copper	1.7%	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

### Hazard Identification (toxicological properties)

Name	Toxicological Data
Anhydrous Disodium Octaborate	LD50 oral rat acute 2550 mg/kg B.W.
Copper	LD50 oral rat 1000 mg/kg B.W.
Boric Acid	LD50 oral rat >3500 mg/kg B.W.

There are no medical conditions known to be aggravated by exposure to this product.

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

### Emergency Overview

Genics™ PostGuard 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. Genics™ PostGuard rods are not intended for ingestion. Genics™ Post Guard rods have low acute toxicity and small amounts accidentally swallowed are not likely to cause effects. Some rods may have sharp edges and in cases where they are completely swallowed these sharp edges may cause grazing of the intestinal tract.

### First Aid Measures

**Eyes:** Properly used Genics™ PostGuard rods present no hazard to eyes.  
**Swallowing:** Primary risk from choking, administer first aid for such and take to hospital.  
**Inhalation:** Properly used Genics™ PostGuard rods present no inhalation risk.  
**Fire:** Product is non-combustible. Extinguishing media N/A.  
**Skin:** Skin contact does not present any unusual hazard. Areas in contact with Genics™ PostGuard rods can be washed with soap and water.

### Handling and Storage Procedures

- Genics™ PostGuard rods cause zero dermal irritation to the skin.
- Do not use in situations where food could become contaminated.
- Keep out of reach of children at all times.
- Store in dry conditions in original container, out of reach of children.
- Use only as a wood preservative.
- 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.



# Material Safety Data Sheet (cont'd)

## Genics™ PostGuard

### 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.

### Physical and Chemical Properties

<b>Vapour Density:</b>	NA	<b>Evaporation Rate (water =1):</b>	NA	<b>Density:</b>	2.223 g/ml
<b>Melting Point/Range:</b>	1000°C	<b>Solubility in Water:</b>	Completely	<b>Boiling Point:</b>	NA
<b>Vapour Pressure mm Hg @20°C:</b>	NA	<b>Appearance and Colour:</b>	Green-black, hard, glass-like rods.	<b>Flashpoint:</b>	NA

### Stability and Reactivity

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

### 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 completely soluble in water and leachable through normal soil.

### Transportation Information

- Not classified as dangerous goods under ADR or PGR regs.
- No special requirements necessary.
- In the event of a road accident, Genics™ PostGuard 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.

### Other Information

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

Prepared by:  
Ryan Smart  
Genics Inc.  
Phone: (780) 962-1000 or toll-free 1-877-943-6427  
Fax: (780) 962-1052

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use with any other materials. 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. Nothing herein is to be construed as a recommendation to infringe any patents.