



Cobra™ Rod
Genics, Inc.

Safety Data Sheet

DATE OF ISSUE AUG 3, 2015
Revision 000

Cobra™ Rod

SECTION 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.
 PCP Registration No.: 25580
 EPA Registration No.: 71653-2
 Manufacturer's Name: **GENICS INC.**
 561 Acheson Rd. 53016 Hwy 60
 Acheson, Alberta Canada T7X 5A7

Emergency Phone: CANUTEC:..... 613-996-6666

Genics Business Phone: (780) 962-1000

SECTION 2: Hazard Identification (toxicological properties)

EMERGENCY OVERVIEW

Harmful if swallowed. Avoid contact with eyes and skin. Avoid rubbing eyes while working with product. Avoid breathing dust, use only in well ventilated area.

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. Cobra™ Rods are not intended for ingestion. Cobra™ 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.

Name Cobra Rod	Toxicological Data LD50 oral rat >3500 mg/kg B.W.
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SYMPTOMS OF OVEREXPOSURE BY ROUTE OF EXPOSURE: There is no health hazard anticipated to occur during routine use of this product. The symptoms of such overexposures are described in the following paragraphs.

INHALATION: Though unlikely to occur, a minor hazard may exist via inhalation of particulates generated by the product. At most, the exposure to the dust causes mild irritation of the respiratory system, or mucous membranes. Symptoms may include redness itching, or coughing.

CONTACT WITH SKIN OR EYES: Though unlikely to occur, contact with dusts generated by this product and the skin or eyes may lead to mild irritation.

SKIN ABSORPTION: Exposure via skin absorption will not occur with product.

INGESTION: Though very unlikely to occur in an occupational setting, if this product is ingested, symptoms may include nausea and vomiting.

INJECTION: Injection of this product (via punctures with contaminated, sharp objects or pre-existing breaks in the skin) can produce redness, local swelling, and tissue damage at the injection site.



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HEALTH EFFECTS OR RISK FROM EXPOSURE:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Skin disorders may be aggravated by exposure to this product. Overexposures to dusts of this product may aggravate respiratory conditions.

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

SYMPTOMS OF OVEREXPOSURE TO THIS PRODUCT MAY INCLUDE THE FOLLOWING:

ACUTE: Symptoms of short-term exposure to dusts generated by this product may cause irritation of the eyes, skin and respiratory system. If ingested, nausea and vomiting may occur.

CHRONIC: Prolonged or repeated skin overexposure to dusts generated by this product may lead to dermatitis (inflamed, dry skin) and chapping. Refer to Toxicological Information on the component of this product Anhydrous Disodium Octaborate.

TARGET ORGANS: Skin, eyes, respiratory system (to dusts only).

SECTION 3: Composition / Information on Ingredients

Name	% W/W	CAS #	ACGIH TLV	OSHA PEL
Anhydrous Disodium Octaborate	88 - 91%	12280-03-4	NE	NE
Copper (from Copper Hydroxide)	1.5 - 3%	20427-59-2	1 mg/m ³ (Cu dust + mist)	1 mg/m ³ (Cu dust + mist)
Boric Acid	4 - 8%	10043-35-3	NE	NE

*NE = Not Established

SECTION 4: First Aid Measures

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 a poison control center or doctor. Do not give anything by mouth to an unconscious person.**

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 Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 a poison control center or doctor immediately for treatment advice.

Have the product container or label with you when calling a poison control center or doctor..

SECTION 5: Fire-Fighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPURATURE, EC: Not applicable

FLAMMABLE EXTINGUISHING MATERIALS: This product is not flammable. Use fire extinguishing material appropriate for the surrounding area.

- Water Spray: YES
- Carbon Dioxide: YES
- Foam: YES
- Dry Chemical: YES
- Halon: YES
- Other: Any "ABC" Class



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UNUSUAL FIRE AND EXPLOSION HAZARDS: This product presents no unusual hazards to fire-fighters if involved in a fire.

EXPLOSION SENSITIVITY TO MECHANICAL IMPACT: Not sensitive.

EXPLOSION SENSITIVITY TO STATIC DISCHARGE: Not sensitive.

SPECIAL FIRE-FIGHTING PROCEDURES: Incipient fire responders should wear eye protection. Structural firefighters must wear self-contained breathing apparatus and full protective equipment. Move fire-exposed containers if it can be done without risk to fire-fighters. If possible, fire-fighters should control run-off water to prevent environment contamination.

SECTION 6: Accidental Release Measures

SPILL AND LEAK RESPONSE: Due to the nature of this product, no special accidental release measures are normally required. Uncontrolled releases involving other materials released near this product should be responded to by appropriately trained personnel using pre-planned procedures. Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and the applicable standards of Canada and its Provinces (see Disposal and Considerations).

SECTION 7: Handling and Storage Procedures

- Do not contaminate water, food, or feed by storage or disposal.
- Store in a dry location at all times, out of reach of children and out of contact with food or feed.
- Do not use in situations where food could become contaminated.
- Keep out of reach of children at all times.
- 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.

SECTION 8: Exposure Controls – Personal Protection

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes and socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have become drenched or heavily contaminated with this product's concentrate. Do not reuse them.

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

SECTION 9: Physical and Chemical Properties

Vapour Density:	NA
Evaporation Rate (water =1):	NA
Density:	2.223 g/ml
Melting Point/Range:	1000°C
Boiling Point:	NA
Solubility in Water:	21%
Vapour Pressure mm Hq @20°C:	Negligible
Appearance and Colour:	Green-black, hard, glass-like rods.



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Flashpoint: NA

SECTION 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

SECTION 11: Toxicological Information

TOXICITY DATA:

Active Ingredients

Anhydrous Disodium Octaborate	LD50 oral rat acute 2,550 mg/kg B.W.
Copper Hydroxide	LD50 oral rat 1,000 mg/kg B.W.
Boric Acid	LD50 oral rat 2,660 mg/kg B.W.

CARCINOGENICITY:

Anhydrous Disodium Octaborate is NOT found in the following lists: FEDERAL OSHA Z LIST, NTP, IARC, CAL/OSHA, and therefore are not considered to be, or suspected to be, cancer-causing agents by these agencies.

IRRITANCY OF PRODUCT:

Dusts generated by this product may be mildly irritating to contaminated tissues.

SENSITIZATION OF PRODUCT:

The product is not reported to cause sensitization effects in humans after prolonged or repeated exposures.

REPRODUCTIVE TOXICITY INFORMATION:

Listed below is information concerning the effects of this product and its components on the human reproductive systems.

Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
Reproductive Effects:	This product is not reported to cause reproductive effects in humans.

ACGIH BIOLOGICAL EXPOSURE INDICES (BEIs):

Currently, there are no ACGIH Biological Exposure Indices associated with the components of this product.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Skin disorders may be aggravated by exposure to this product. Overexposures to dusts of this product may aggravate respiratory conditions.

RECOMMENDATIONS TO PHYSICIANS:

Treat symptoms and eliminate overexposure.



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SECTION 12: Ecological Information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENT CONTAMINATION.

ENVIRONMENT STABILITY:

In the environment, this compound will hydrate to form Disodium Octaborate Tetrahydrate. It will also release copper hydroxide and boric acid to the environment in the presence of water.

EFFECT OF MATERIAL ON PLANTS OR ANIMALS:

Refer to Toxicology Information for specific data on the product's effectiveness on test animals. This product is not known to be harmful to plants. This product is used specifically as a pesticide.

EFFECT OF CHEMICAL ON AQUATIC LIFE:

Because this product is used as a pesticide, it may be harmful or fatal to exposed aquatic life, especially if released in large quantities.

SECTION 13: Disposal Considerations

PREPARING WASTES FOR DISPOSAL: Waste disposal must be in accordance with appropriate U.S. Federal, State and local regulations or those of Canada and its Provinces. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

U.S. EPA WASTE NUMBER: Not applicable to wastes consisting only of this product.

PESTICIDE DISPOSAL: Pesticide wastes are considered to be acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use, according to the label instruction, contact the appropriate U.S. States Pesticide or Environment Control Agency, the Hazardous Waste Representative at the nearest EPA Regional Office, or the offices of Environment Canada for guidance.

CONTAINER DISPOSAL: If necessary, triple rinse (or equivalent), then offer the container for recycling or reconditioning. Alternatively, puncture the container and dispose of in a procedure approved by local authorities.

SECTION 14: Transportation Information

This material is not deemed hazardous as defined by the 49 CFR 172.101 by the U.S. Department of Transportation.

PROPER SHIPPING NAME: Not Applicable

HAZARD CLASS NUMBER AND DESCRIPTION: Not applicable

UN IDENTIFICATION NUMBER: Not applicable

PACKING GROUP: Not applicable

DOT LABEL(S): REQUIRED: Not applicable

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER: Not applicable

MARINE POLLUTANT: No component of this product is designated as a Marine Pollutant, per Appendix B to 49 CFR 172.101

- 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.



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SECTION 15: Regulatory Information

Canadian PMRA Pesticide Reg. # 25580
U.S. EPA Pesticide Reg. # 71653-2

Canadian federal regulations This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

US Federal regulations

TSCA: All components are on the U.S. EPA TSCA Inventory List.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical No

CERCLA (Superfund) reportable quantity None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - NO
Delayed Hazard - NO
Fire Hazard - NO
Pressure Hazard - NO
Reactivity Hazard - NO

Section 302 extremely hazardous substance NO

Section 311 hazardous chemical NO

Clean Air Act (CAA) Not regulated

Clean Water Act (CWA) Per label storage and disposal instructions

WHMIS classification Not Available

State regulations **California:** This product does NOT contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm

New Jersey - Right to Know Hazardous Substance List: Not listed

Inventory name

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)



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SECTION 16: Other Information

Date of Issue: August 3, 2015 (Revision 000)
Supersedes: None

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