Safety Data Sheet

DATE OF ISSUE January 12, 2016

CuB 2-20

SECTION 1: Identification

Trade name (as labeled): CuB 2-20
Product Class: .....Fungicide, Insecticide, Mouldicide, Wood Preservative
Manufacturer's Name: **.....GENICS INC.**
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Acheson Industrial Park.
Acheson,
Alberta Canada
T7X 5A7
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SECTION 2: Hazard Identification (toxicological properties)

EMERGENCY OVERVIEW
May be harmful if swallowed. Avoid contact with eyes and skin. May cause eye irritation. Avoid rubbing eyes while working with product. Wash hands thoroughly with soap and water after handling and before eating, drinking or smoking. Store and wash all protective clothing separately from household laundry. Personal protective clothing, normal work clothes (i.e. long pants, shoes, a long sleeved shirt) plus waterproof gloves for all users of product. Do not leave container where children or animals may gain access.

CuB 2-20 is a deep blue-green liquid that is not flammable, combustible, or explosive.

Name	**Toxicological D a t a**
CuB 2-20	LD_{50} oral rat acute greater than 5,000 mg/kg B.W.
	LD_{50} dermal rat greater than 2,000 mg/kg B.W.
	LC_{50} inhalation rat greater than 2 mg/L

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: This product is in U.S. EPA Category III for inhalation with I being highest and IV being lowest). At most, the exposure to the mist may cause mild irritation of the respiratory system, or mucous membranes. Symptoms may include dry throat or coughing.

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

SKIN ABSORPTION: Exposure via skin absorption is not expected to produce adverse health effects.

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

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

HEALTH EFFECTS OR RISK FROM EXPOSURE:

There are no medical conditions known to be aggravated by exposure to this product.
Product ingredients are not listed as a carcinogen or potential carcinogen on the following lists:
US OSHA Z LIST, NTP, IARC, CAL/OSHA.

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

CHRONIC: Prolonged or repeated skin overexposure to this product may lead to dermatitis (inflamed, dry skin) and chapping.

TARGET ORGANS: Skin, eyes, respiratory system (to product mist/spray only).

SECTION 3: Composition / Information on Ingredients

Name	% W/W	CAS #	ACGIH TLV	OSHA PEL
Anhydrous Disodium Octaborate	18.0 - 21%	12008-41-12	NE*	NE*
Copper	2.0 – 3.0%	20427-59-2	1 mg/m^3 (Cu dust + mist)	1 mg/m^3 (Cu dust + mist)

*NE = Not Established

SECTION 4: First Aid Measures

Eyes: Use eye wash fountain or fresh water to cleanse eye. If irritation persists for more than 30 minutes, seek medical attention.
Inhalation: If symptoms such as nose or throat irritation are observed, remove person to fresh air.
Fire: Product is non-combustible. Extinguishing media N/A.
Skin: Skin contact does not present any unusual hazard as product is non-irritating.

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

UNUSUAL FIRE AND EXPLOTION 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 it's Provinces (see Disposal and Considerations).

SECTION 7: Handling and Storage Procedures

- Do not contaminate water, food or feed by storage or disposal.
- Store in original container in a cool, dry place inaccessible to children and pets and away from food or feed.
- Keep out of reach of children at all times.
- Do not freeze.
- Do not use in situations where food could become contaminated

- Genics CuB 20 may cause drying of the skin.

SECTION 8: Exposure Controls – Personal Protection

Ventilation Requirements: No special ventilation system required.
Body Protection: Gloves, long sleeved shirt and pants.
Respiratory Protection: No special respiratory protection required.
Eye Protection: Eye goggles.
Hygienic Practices: Wash hands before eating or smoking.

SECTION 9: Physical and Chemical Properties

Vapour Density:	NE	Flashpoint:	NE	Density:	1.21 g/ml
Melting Point/Range:	NA	Solubility in Water:	Completely	Boiling Point:	NE
Vapour Pressure mm Hq @20°C:	NE	Appearance and Colour:	Green gel	Ph:	6.8 - 7.2

SECTION 1O: 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

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SECTION 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 completely soluble in water and leachable through normal soil.

U.S. Users
This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Eliminations Systems (NPDES) permit and the permitting authorities have been notified in writing prior to the discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of EPA.

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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 it's 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 if 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

- Not classified as dangerous goods under ADR or PGR regs.
- No special requirements necessary.

SECTION 15: Regulatory Information

Canadian PMRA Pending

U.S. EPA Pesticide Reg. # 71653-10

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

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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)

SECTION 16: Other Information

Date of Issue: January 12, 2016 (Revision 000)
Supersedes: None

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