

**MicroPel Pellets**  
**H 201**  
**Material Safety Data Sheets**

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**SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

**Bay Chemical Company**  
**6375 Harney Road Suite 104**  
**Tampa, Florida 33624**

813-969-4408 (24 Hour Emergency Response Number)

**PRODUCT:** Micronutrient Soil Mix

**TRADE NAME OR SYNONYM:** MicroPel H201 Horticultural Pellets

**MSDS CREATION DATE:** 12/09/2003

**MSDS REVISION DATE:** 01/08/2008

**SECTION 2: HAZARDS IDENTIFICATION**

<b>CHEMICAL:</b>	<b>CAS NO:</b>	<b>% PRESENT</b>
Calcium Compounds		<35%
Nitrogen Compounds		<2%
Zinc Compounds	7440-66-0	<0.50%
Manganese Compounds	7439-96-5	<0.50%
Copper Compounds	7440-50-0	<0.04%
Boron Compounds	1319-33-1	<0.04
Sulfur Compounds	7704-34-9	<5%

Note: This is a mixture of fertilizer Compounds

**NFPA HMIS RATING (SCALE 0-4):** Health = 1, Fire = 0, Reactivity = 0

**EMERGENCY OVERVIEW:** Keep out of reach of children. Avoid contact with eyes and/or skin. Use product in an adequately ventilated area. Wash thoroughly after handling.

**PROBABLE CONTAMINANT:** NA

**SECTION 3: PHYSICAL DATA**

**BOILING POINT:** Not applicable

**MELTING POINT:** >932°F (>500°C)

**VAPOR PRESSURE (mm Hg):** Not applicable

**VAPOR DENSITY (Air = 1):** Not applicable

**WATER SOLUBILITY:** Moderately Soluble

**SOLVENT SOLUBILITY:** Not applicable

**SPECIFIC GRAVITY:** Not applicable

**BULK DENSITY:** 72 lbs/ft<sup>3</sup>; 1,030 kg/m<sup>3</sup>

**APPEARANCE:** Off white

**ODOR:** No Appreciable Odor.

**pH (10% aqueous slurry):** 6.5

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**SECTION 4: POTENTIAL HEALTH EFFECTS:**

**INHALATION:**

**Short Term Effects:** May cause irritation of the nasal membranes and upper respiratory tract.

**Long Term Effects:** Same effects as short term exposure.

**SKIN CONTACT:**

**Short Term Effects:** May cause irritation.

**Long Term Effects:** May cause irritation. Avoid contact with open wounds.

**EYE CONTACT:**

**Short Term Effects:** Contact may cause irritation.

**Long Term Effects:** Same effects as short term exposure.

**INGESTION:**

**Short Term Effects:** Contact may cause nausea, vomiting and/or diarrhea.

**Long Term Effects:** Same effects as short term exposure.

**Primary Route(s) of Entry:** Inhalation

**Target Organs Data:** Respiratory System, central nervous System, blood, Gastro Intestinal System, kidneys

**SECTION 5: FIRST AID MEASURES**

**INHALATION:** Remove individual from exposure area to fresh air immediately. If breathing is difficult, give oxygen. If breathing has stopped, perform artificial resuscitation. Seek medical attention immediately.

**SKIN CONTACT:** Wash affected area with mild soap or detergent and water. If burning occurs, cover affected area with sterile dressing. Seek medical attention immediately.

**EYE CONTACT:** Flush eyes immediately with water or saline solution for at least 15 minutes. Seek medical attention immediately.

**INGESTION:** Consult Physician immediately.

**SECTION 6: FIRE FIGHTING MEASURES**

**FLASH POINT (METHOD):** NA

**FLAMMABLE LIMITS:** NA

**EXTINGUISHING MEDIA:** Noncombustible. Use extinguishing media suitable for ambient fire conditions.

**FIREFIGHTING:** If possible, move product from fire area. Extinguish fire using suitable agent for surrounding fire and/or chemical. Avoid breathing fumes and vapors. Prevent runoff and contamination of water sources.

**HAZARDOUS COMBUSTION PRODUCTS:** NA

**UNUSUAL FIRE AND EXPLOSION HAZARD:** Emits toxic fumes when exposed to fire or extreme heat.

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**SECTION 7: TOXICOLOGY INFORMATION**

Oral toxicity LD50:2,500 mg/kg (mouse) as Zinc Oxide

**CARCINOGEN STATUS:** Not known to be carcinogenic.

**OSHA:** NA      **NTP:** NA      **IARC:** NA

**SECTION 8: ACCIDENTAL RELEASE MEASURES**

**OCCUPATIONAL SPILL:** Do not touch spilled material. Pick-up dry spills by scooping, shoveling or vacuuming and place into approved containers for disposal or reuse. Wear respirator, protective eyewear, protective clothing and gloves. Wash thoroughly after handling.

**SECTION 9: HANDLING AND STORAGE**

Material should be properly stored in a dry area to prevent accidental run-off contamination. Observe all federal, state and local regulations when storing this product.

**SECTION 10: EXPOSURE CONTROLS, PERSONAL PROTECTION**

**EXPOSURE LIMITS:**

- 1 mg (Cu)/m<sup>3</sup> OSHA ceiling
- 5 mg (Mn)/m<sup>3</sup> OSHA ceiling
- 5 mg (Zn)/m<sup>3</sup> ACGIH and OSHA as fume
- 10 mg/M<sup>3</sup> for nuisance dust (ACGIH)

**VENTILATION:** Provide local exhaust or process enclosure ventilation.

**EYE PROTECTION:** Wear safety glasses/goggles with splash shields to prevent contact with this product.

**EMERGENCY WASH FACILITIES:** Where there is any potential risk of an employee's eyes and/or skin to be exposed to this product, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

**CLOTHING:** Wear appropriate clothing to prevent prolonged skin contact. Although skin contact is not generally a problem, it increases the possibility of ingestion.

**GLOVES:** Wear appropriate protective gloves to prevent contact with this product.

**RESPIRATOR:** Wear an appropriate respirator based on the specific contamination levels and specific job assignment. Do not exceed the working limits of the respirator.

**SECTION 11: STABILITY AND REACTIVITY**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** NA

**INCOMPATIBILITIES:** Strong Oxidizing Agents; Chlorinated rubber above 200°C

**HAZARDOUS DECOMPOSITION:** Sulfur Oxides

**POLYMERIZATION:** Will Not Occur

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**SECTION 12: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL IMPACT RATING (0-4):** No data available

**ACUTE /PROLONGED AQUATIC TOXICITY:**

LC50, 96 hours, Cichid– 13 mg/l, as Zinc Sulfate

**DEGRADABILITY:** Zinc is naturally occurring in the environment.

**SECTION 13: DISPOSAL INFORMATION**

Observe all federal, state, and local regulations when disposing of this product. Where applicable, product should be recycled for appropriate nutrient values.

**SECTION 14: TRANSPORT INFORMATION**

**DOT/TDG Classification**

D.O.T. (U.S.A.) or TDG (Canada) – not regulated

**SECTION 15: REGULATORY AND OTHER INFORMATION**

This product covered by this data sheet may contain listed Section 313 chemicals in greater than de minimis quantities: Manganese, Copper and Zinc Compounds. We are required to notify you of the presence of these chemicals under the Emergency Planning and Community right to Know Act of 1986. If you are unsure if you must report or require more information, call the United States EPA “Hot Line” at (800) 535-0202.

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific product designated and may not be valid for such product used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as to the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user’s responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information.

Customers are responsible for compliance with local, state and federal regulations that may be pertinent in the storage, application and disposal of this product.