

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Monster Bloom

PRODUCT USE: Fertilizer –WHMIS CLASSIFICATION: D2-B

MANUFACTURER'S NAME: Grotek Manufacturing Inc.

SUPPLIER'S NAME: Grotek Manufacturing Inc.

STREET ADDRESS: #284, 505-210<sup>th</sup> Street, Langley, BC V1M 2Y2

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IN CASE OF EMERGENCY: (604) 882-7686

## SECTION 2 - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS   | %   | CAS # | LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES & ROUTE) | LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES) |
|-------------------------|-----|-------|--|--|
| Proprietary Information | NAP | NAP   | NAP  | NAP  |

Health effects data presented are precautionary.

Toxicological properties do not exceed WHMIS classification criteria.

## SECTION 3 – PHYSICAL DATA

|                             |   |                            |                         |                          |
|-----------------------------|---|----------------------------|-------------------------|--------------------------|
| PHYSICAL STATE:             | ODOUR & APPEARANCE: NAV, bluish purple powder |                            |                         |                          |
|                             | ODOUR THRESHOLD (ppm): NAV                    |                            |                         |                          |
| VAPOUR PRESSURE: (mmHg) NAV | VAPOUR DENSITY: (Air=1) NAV                   | EVAPORATION RATE: NAV      | BOILING POINT: (°C) NAV | FREEZING POINT: (°C) NAV |
| pH: 4.3 with 5g/litre       | SPECIFIC GRAVITY: NAV                         | COEFF. WATER/OIL DIST. NAV |                         | SOLUBILITY: NAV          |

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: NAP

IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINCTION: For fires involving this product, water, fog, carbon dioxide, foam or dry chemical may be used

SPECIAL PROCEDURES: Concentrate on combustible products.

|                                  |  |   |
|----------------------------------|--|---|
| FLASHPOINT (°C) AND METHOD: NAP  | UPPER FLAMMABLE LIMIT (% BY VOLUME): NAP                           | LOWER FLAMMABLE LIMIT: (% BY VOLUME): NAP |
| AUTOIGNITION TEMPERATURE (C) NAP | HAZARDOUS COMBUSTION PRODUCTS: oxides of nitrogen and other metals |   |

EXPLOSION DATA » SENSITIVITY TO IMPACT: NAP

SENSITIVITY TO STATIC DISCHARGE: NAP

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal condition of use. Avoid excessive heat

INCOMPATIBILITY: Avoid contact with strong oxidizing agents & bases

CORROSIVE BEHAVIOUR: No Evidence

REACTIVITY AND UNDER WHAT CONDITIONS: NAV

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen and other metals

**SECTION 6 – TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY: SKIN CONTACT: Yes-SKIN ABSORPTION: No -EYE CONTACT: Yes- INHALATION: Yes—INGESTION: Yes

**EFFECTS OF ACUTE EXPOSURE TO PRODUCT:**

Ingestion – may cause diarrhea, nausea, vomiting, cramps, & burns to the mouth, throat if large amounts ingested  
 Inhalation – dust and mist may be irritating to nose, mouth & throat  
 Eye contact – irritation.  
 Skin contact – Prolong skin contact may be irritating

EFFECTS OF CHRONIC EXPOSURE: irritation of skin

EXPOSURE LIMITS: NAV

|                                       |  |  |                         |
|---------------------------------------|--|--|-------------------------|
| SYNERGISTIC PRODUCTS: NAV             | IRRITANCY:<br>NAV                                | SENSITIZATION:<br>NAV                                | CARCINOGENICITY:<br>NAV |
| TERATOGENICITY: Some evidence in rats | REPRODUCTIVE<br>HAZARD: Some evidence<br>in rats | MUTAGENICITY<br>: Some evidence<br>in <i>E. coli</i> |                         |

**SECTION 7 – PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT: .Hands wear: water resistant rubber type gloves (latex, nitrile, PVC). Respirator: wear- NIOSH approved dust filter cartridge to remove dust where dust is visually airborne, Eye – wear goggles, Footwear work boot/rubber boots, clothing – Long sleeve and pants - no special clothing required.

ENGINEERING CONTROLS: General mechanical ventilation is adequate, minimize dust generation.

LEAK AND SPILL PROCEDURE: Wear necessary personal protective equipment during clean-up, vacuum, avoid creating dust, Place in properly labeled containers for later disposal.

WASTE DISPOSAL: Disposal in accordance Federal, Provincial & Municipal waste regulations.

HANDLING PROCEDURES AND EQUIPMENT: Do not handle unless safety precaution have been read and understood, avoid eye and skin contact. Avoid inhalation of dust or vapours. Do not puncture, drag or slide container.

STORAGE REQUIREMENTS: Store in cool, dry area and well ventilated area. Keep container closed.

SPECIAL SHIPPING INFORMATION: TDG regulation – not regulated for transport in Canada.

**SECTION 8 - FIRST AID MEASURES**

**INHALATION:** Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen. Obtain medical assistance immediately

**EYE CONTACT:** Flush eyes thoroughly while holding both upper and lower eye lids for a minimum of 15 minutes. Obtain medical attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash affected area with water for a minimum of 15 minutes. Obtain medical attention if irritation or redness persists

**INGESTION:** Do not attempt to give anything by mouth to unconscious victim. If victim is alert and not convulsing, rinse mouth and give water to dilute material. Do not induce vomiting. If vomiting occurs, have victim lean forward with head down to avoid breathing in vomit, rinse mouth. Obtain medical attention immediately

**SECTION 9 – PREPARATION DATE OF MSDS**

|  |   |  |
|--|---|--|
| <p><b>PREPARED BY:</b> Grotek Manufacturing Inc.</p> <p><b>DATE:</b> December 23, 2005</p> | <p><b>BUS NUMBER:</b> -604-882-7686</p> | <p><b>ADDITIONAL INFORMATION:</b><br/>At the time of preparation, the information and data contained in this MSDS are believed to be accurate and have been compiled sources that are believed to be reliable.</p> |
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