

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: **Monster Bloom**

PRODUCT USE: Fertilizer -WHMIS CLASSIFICATION: not WHMIS Controlled

MANUFACTURER'S NAME: Grotek Manufacturing Inc.

SUPPLIER'S NAME: Grotek

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

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IN CASE OF EMERGENCY: (604) 882-7686

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS #	LD ₅₀ OF INGREDIENT (SPECIFY SPECIES & ROUTE)	LC ₅₀ OF INGREDIENT (SPECIFY SPECIES)
Non Hazardous Ingredients	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:
NAV

SENSITIZATION:
NAV

CARCINOGENICITY:
NAV

TERATOGENICITY: NAV

REPRODUCTIVE
HAZARD: NAV

MUTAGENICITY
: NAV

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

PREPARED BY: BC Research Inc
Occupational Environmental Risk
Management Group

BUS NUMBER: -604-224-4331

ADDITIONAL INFORMATION:

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.

DATE: April 26, 2001