

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

**PRODUCT IDENTIFIER:** Ton-O-Bud

**PRODUCT USE:** Granular Fertilizer **WHMIS CLASSIFICATION:** D2B

**MANUFACTURER'S NAME:** PlantLife Products **ADDRESS:** 725 Evans Crt Kelowna BC V1X

**IN CASE OF EMERGENCY:** (250)491-0255

## SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS #	LD50 OF INGREDIENT (SPECIFY SPECIES & ROUTE)
Monopotassium Phosphate	80-95%	7778-77-0	7950 mg/kg dermal rabbit 7100 mg/kg oral rat NAP

**NAP:** Not applicable **NAV:** Not available

## SECTION 3 -- PHYSICAL DATA

### PHYSICAL STATE:

**ODOUR & APPEARANCE:** NAV, Green 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:** NAV

## 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:** Some evidence in rats  
**REPRODUCTIVE HAZARD:** Some evidence in rats  
**MUTAGENICITY :** Some evidence in *E. coli*

## **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. TOXICOLOGICAL INFORMATION**

Most of the chemicals in Ton-O-Bud are toxic by ingestion, respiration, or dermal contact.

## **SECTION 10. ECOLOGICAL INFORMATION**

**Ecotoxicity:** Unknown

**Environmental Fate:** Not expected to be significant.

**Environmental Degradation:** Unknown.

## **SECTION 11. DISPOSAL CONSIDERATIONS**

**Waste Disposal:** Follow Federal, State, and Provincial local regulations.

## **SECTION 12. TRANSPORTATION INFORMATION**

**DOT Transportation Data (49 CFR 172.101):** Not regulated

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

## **SECTION 13. REGULATORY INFORMATION**

**EPA Regulations:** Not listed

## **SECTION 14 -- PREPARATION DATE OF MSDS**

**NAP:** Not applicable **NAV:** Not available

**PREPARED BY:** PlantLife Products

**DATE:** March 10, 2006

**BUS NUMBER:** 250-491-0255

### **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.