

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: MONSTER FLOWER (Potassium phosphate, monobasic)

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

MANUFACTURER'S NAME: Okanagan Plant Products **ADDRESS:** 1945 Kirschner Rd. Kelowna BC V1Y 4N7 (778) 940-0600 or (250)-861-3434

IN CASE OF EMERGENCY: BC Poison Control Center 1-800-567-8911

SECTION 2. INGREDIENTS AND OCCUPATIONAL EXPOSURE LIMITS

Ingredients: The chemical identity of the compounds and exact proportions used in the mixture are a trade secret; however, they are derived from potassium phosphate.

Exposure Limits: Some of the chemicals used in Monster Flower, when inhaled in a powder form, are known to be irritants to the upper respiratory tract. OSHA has established a PEL for an eight hour time weighted average of 5 mg/m³ (respirable fraction) or 15 mg/m³ eight hour time weighted average (total dust. ACGIH has established a 10 mg/m³ eight-hour time weighted average threshold limit value for exposure to chemicals in this category. As long as these chemicals remain in aqueous solution and do not become aerosolized, they are not an inhalation hazard.

SECTION 3. HAZARDS IDENTIFICATION

*** Emergency Overview ***

CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

Potential Health Effects

Primary Entry Routes: ingestion, inhalation, and skin contact. Low hazard for industrial handling

Target Organs: None

Ingestion: May cause irritation of the digestive tract.

Eye: May cause irritation, redness, and pain.

Skin: Irritation.

Inhalation: May cause respiratory tract irritation.

Carcinogenicity: IARC, NTP, and OSHA do not list as a carcinogen.

Medical Conditions Aggravated by Long- term Exposure: Unknown.

Chronic Effects: Repeated or prolonged exposure to this product may cause calcium phosphate deposition in the kidneys.

Other: None.

Section 4. FIRST AID MEASURES

Ingestion: Never give anything by mouth to an unconscious person. Get medical aid. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2 -4 cupful's of milk or water.

Eye Contact: Do not allow victim to rub or keep eyes tightly shut. Remove contact lenses then gently lift eyelids and flush immediately and continuously with flooding amounts of water for at least 15 minutes. Consult a physician or ophthalmologist if pain or irritation develops.

Skin Contact: Wash exposed area with soap and water. For reddened or blistered skin, consult a physician.

Inhalation: Remove exposed person to fresh air and support breathing, if necessary. Consult a physician as soon as possible.

After First Aid: Get appropriate community medical support.

SECTION 5. FIRE AND EXPLOSION DATA

Flash Point: Unknown.

Auto-ignition Temperature: Unknown.

LEL: Unknown.

Flammability Classification: Not combustible.

Burning Rate: Unknown.

Extinguishing Media: Use dry chemical, carbon dioxide, water spray, fog, or foam for extinguishing surrounding fire.

Unusual Fire or Explosion Hazards: Container may explode in heat of fire.

Hazardous Combustion Products: Phosphorous oxides may form when heated to decomposition.

Fire-Fighting Instructions: Keep fire exposed containers cool with water spray. Remove containers from the fire area, if it can be done safely. Do not release run-off from fire control methods to sewers or waterways.

Fire Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full-face piece.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures: Wipe up with absorbent towels or mop.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7. HANDLING AND STORAGE

Handling Precautions: Avoid ingestion, skin contact, eye contact, and inhalation.

Storage Requirements: Keep in tightly closed containers stored in a cool, dry, ventilated area.

Regulatory Requirements: Follow applicable OSHA regulations

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide general or local exhaust ventilation systems to maintain airborne concentrations as low as possible.

Administrative Controls: Avoid breathing mist.

Respiratory Protection: If this product is used as directed, respiratory protection is not required.

Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. If respirators are used, OSHA requires a written respiratory protection program that includes, at least: medical certification, training, fit testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Eye Protection: Wear protective eyewear or goggles should be worn per OSHA regulations (29 CFR 1910.134). Contact lenses pose a special hazard. Soft lenses may absorb irritants, and all contact lenses concentrate irritants. Particles may adhere to contact lenses and cause corneal damage.

Protective Clothing: Wear, when the possibility of skin or clothing contamination may exist. Wear neoprene or nitrile gloves when directly handling the product.

Safety Stations: Eye wash stations, quick drench showers, and washing facilities should be readily accessible to workers handling large quantities.

Contaminated Equipment: Remove this material from shoes and equipment. Launder contaminated clothing before wearing.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this product, especially before eating drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Dry powder

Density: 1.17

pH: 3.5

Appearance and Odor: Mauve to purple powder with no odor.

Odor Threshold Range: Unknown.

Vapor Pressure: Unknown.

Water Solubility: Soluble.

Other Solubilities: Unknown.

Freezing Point: 30°F

Viscosity: Unknown.

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable at room temperature in closed containers, under normal storage and handling conditions. Unstable at high temperatures.

Polymerization: Hazardous polymerization does not occur.

Chemical Incompatibilities: No significant incompatibilities identified with common materials and contaminants.

Conditions to Avoid: Dust generation, moisture.

Hazardous Decomposition Products: Phosphorous oxides may form when heated to decomposition.

SECTION 11. TOXICOLOGICAL INFORMATION

CAS#7778-77-0:TC66

LD50 Skin/rabbit: LD50 = >4640 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Unknown

Environmental Fate: Not expected to be significant.

Environmental Degradation: Unknown.

SECTION 13. DISPOSAL CONSIDERATIONS

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

SECTION 14. TRANSPORTATION INFORMATION

DOT Transportation Data (49 CFR 172.101): Not regulated

SECTION 15. REGULATORY INFORMATION

EPA Regulations: Not listed

SECTION 16. PREPARATION DATE OF MSDS

PREPARED For: Okanagan Plant Products

DATE: December, 2017

BUS NUMBER: 778-940-0600 or (250) 861-3434

ADDITIONAL INFORMATION:

At the time of preparation, the information and data contained in this MSDS are compiled from available published sources and believed to be accurate.