

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Monster Thrive  
PRODUCT USE: Liquid Fertilizer  
MANUFACTURER'S NAME: Okanagan Plant Products  
ADDRESS: 1945 Kirschner Rd. Kelowna BC V1Y 4N7  
IN CASE OF EMERGENCY: (250)491-0255

## SECTION 2 – HAZARDOUS INGREDIENTS

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, Sea Kelp Extract, and Thiamine Hydrochloride

## SECTION 3 – PHYSICAL DATA

PHYSICAL STATE: Liquid  
ODOUR AND APPEARANCE: Seaweed odour, brown liquid  
ODOUR THRESHOLD (ppm): NAV  
VAPOUR PRESSURE (mmHg): NAV  
VAPOUR DENSITY (Air=1): NAV  
EVAPORATION RATE: NAV  
BOILING POINT (°C): >100  
FREEZING POINT (°C): <0  
pH: 3.6  
SPECIFIC GRAVITY: 1.12 g/cm<sup>3</sup>  
COEFF. WATER/OIL DIST. NAV  
SOLUBILITY: Soluble in water

## SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: Not flammable, however strong oxidizer  
IF YES UNDER WHAT CONDITIONS?  
MEANS OF EXTINCTION: For fires involving this product, water or fog, avoid using carbon dioxide, foam or dry chemical.  
SPECIAL PROCEDURES: Water based product. Treat surrounding fire.  
FLASHPOINT (°C) AND METHOD: NAP  
UPPER FLAMMABLE LIMIT (% BY VOLUME): NAP  
LOWER FLAMMABLE LIMIT: (% BY VOLUME): NAP  
AUTOIGNITION TEMPERATURE (°C) NAP  
HAZARDOUS COMBUSTION PRODUCTS: Nitrogen Oxides, Potassium Oxides, Phosphorous Oxides, Ammonia,  
EXPLOSION DATA » SENSITIVITY TO IMPACT: NAV  
SENSITIVITY TO STATIC DISCHARGE: NAV

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal condition of use. Avoid excessive heat  
INCOMPATIBILITY: Avoid contact with combustibles and acids or bases.  
CORROSIVE BEHAVIOUR: Corrosive  
REACTIVITY AND UNDER WHAT CONDITIONS: Not applicable  
HAZARDOUS DECOMPOSITION PRODUCTS: See hazardous combustion products

NAP: Not applicable NAV: Not available

## **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 – Large amounts may cause violent gastroenteritis, anemia, vomiting, nausea, diarrhea, vertigo, muscle weakness, irregular pulse, and burns to the mouth and throat if ingested. Ingestion of small amounts may lead to weakness, depression, headaches and metal impairment.

Inhalation – Aerosol and mist may be irritating to nose, mouth and throat

Eye contact – May cause irritation.

Skin contact – May cause irritation.

EFFECTS OF CHRONIC EXPOSURE: Prolonged contact may cause irritation of skin and respiratory tract

EXPOSURE LIMITS: NAV

SYNERGISTIC PRODUCTS: NAV IRRITANCY: Yes SENSITIZATION: NAV

CARCINOGENICITY: No evidence

TERATOGENICITY: NAV REPRODUCTIVE HAZARD: NAV

MUTAGENICITY: No evidence

## **SECTION 7 – PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT:

Hands: wear water resistant rubber (butyl), or plastic gloves (PVC).

Respirator: wear- NIOSH approved respirator and particulate cartridges to remove aerosol /mist during product application. Eye: wear goggles. Footwear: wear work boots/rubber boots.

Clothing: wear long sleeve shirt and pants.

ENGINEERING CONTROLS: General mechanical ventilation is adequate, avoid splashing.

LEAK AND SPILL PROCEDURE: Wear necessary personal protective equipment during clean-up. Use boom socks to contain spill and vacuum to clean up. Small quantities of liquid waste may be flushed to drain.

HANDLING PROCEDURES AND EQUIPMENT: Do not handle unless safety precautions have been read and understood. Avoid eye and skin contact. Avoid inhalation of mist or aerosol.

STORAGE REQUIREMENTS: Store in cool, dry and well ventilated area. Avoid storage on wood floors, wooden shelves. Separate from combustibles, organic or other readily oxidizable materials, including acids, alkalis, reducing agents. Keep container closed.

## **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 induce vomiting without physician's direction. 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 Monster Thrive are toxic by ingestion, respiration, or dermal contact.

**SECTION 10 - ECOLOGICAL INFORMATION**

Eco-toxicity: 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 - PREPARATION OF MSDS**

PREPARED for: Okanagan Plant Products

DATE: July 6, 2015

BUS NUMBER: 250-861-3434

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.  
to be reliable