

## **MATERIAL SAFETY DATA SHEET**

### **PRODUCT INFORMATION**

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Product Identifier: Bumper Up

Manufacturer's Name: RAMBRIDGE WHOLESALE SUPPLY  
Address: #8-8009 57 Street SE  
Calgary, AB T2C 5K7

Emergency Phone No.: 1-800-265-4769

Product Use: pH Adjustment of Hydroponic Nutrient

### **HAZARDOUS INGREDIENTS**

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Hazardous Ingredients: Potassium Hydroxide > 10%

WHMIS Classification: 1310-58-3

### **PHYSICAL DATA**

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Physical State: Liquid	Odor and Appearance: Clear, no apparent odour
Odor Threshold: N/A	Specific Gravity: 1.1
Vapor Pressure: ND	Vapor Density: ND
Evaporation Point: ND	Boiling Point: 100C
Freezing Point: 0C	Density: 1.1

pH: 0.01 moles/litre has pH 12.0

### **FIRE AND EXPLOSION HAZARD**

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Flammability: Non Flammable

Means of Extinction: ND can react with metals to release hydrogen

Flashpoint: ND UEL: ND LEL: ND

Auto-ignition Temperature: ND TDG Flammability Class: ND

Hazardous Combustion Products: ND

## REACTIVITY DATA

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Chemical Stability: Stable

Incompatibility: reacts with metals

Conditions of Reactivity: ND

Hazardous Decomposition Products: ND

## TOXICOLOGICAL PROPERTIES

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Route of Entry:

*Skin Contact:* Considered to be corrosive to the skin; may not produce a burning sensation

*Skin Absorption:* Corrosive to skin

*Eye Contact:* Considered to be corrosive to eyes

*Inhalation:* Causes respiratory problems

*Ingestion:* Remove to fresh air if breathing is difficult

Exposure Limits: ND

Synergistic Products:

Sensitization / Irritancy: Can cause irritation due to corrosive nature

Carcinogenicity / Teratogenicity / Mutagenicity / Reproductive Effects: ND

## PREVENTIVE MEASURES

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Personal Protective Equipment:

- ❖ Wear appropriate clothing, eye protection if splashing is possible

Engineering Controls: ND

Leak or Spill Procedure: Neutralize with organic acid (vinegar) and flush area with water

Disposal: Neutralize and dispose in non crop areas

Handling Procedures and Equipment: ND

Storage Requirements: Do not freeze

Shipping Information: Ship heated service

## FIRST AID MEASURES

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*Skin:* Immediately wash contaminated areas with plenty of water for 15 minutes. Remove contaminated clothing and footwear. Wash clothing before reuse and discard footwear which cannot be decontaminated. Seek medical attention immediately.

*Eyes:* Immediately flush eyes with large quantities of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention immediately. Continue washing, if possible, while transporting victim to a medical facility.

*Inhalation:* Seek medical attention.

*Ingestion:* If swallowed, do not induce vomiting. Give large quantities of water. If available give several glasses of milk. If vomiting occurs spontaneously keep airway clear. Seek medical attention immediately.

## ADDITIONAL INFORMATION

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Product is corrosive. If spilt on clothing flush area with water. If on hands, wash them immediately.

## PREPARATION INFORMATION

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Department:  
Technical

Phone No.:  
1-403-230-5717

Date:  
Oct. 18/02

n/a – Not Applicable

nd – Not Determined