

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard.  
29CFR 1910. Standard must be consulted for specific requirements.

Product: ByPass

QUICK IDENTIFIER

Common Name: ByPass

## SECTION 1 -

Manufacturers Name: KeyPlex

Address: P.O. Box 2515

City, State, Zip: Winter Park, FL 32790

Emergency Telephone Number: 1-800-433-7017

Other Information Calls: 1-407-682-6500

Date Prepared: Sep 4, 2009

## SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) chemical & common name(s)	OSHA PEL	ACGIH TLV	EXPOSURE LIMITS	CAS NO.
Phosphoric Acid	N/A			7664-38-2
Ammonium Nitrate	N/A			13446-48-5
Potassium Nitrate	N/A			7757-79-1
Sodium Borate	N/A			16940-66-2
Sodium Glucoheptanate	N/A			31138-65-5

## SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: N/A

Specific Gravity: 1.2

Vapor Pressure: N/A

Vapor Pressure: N/A

Reactivity in Water: Soluble

Melting Point: N/A

Appearance and Odor: Dark opaque with sweet smell.

## SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point: N/A F°

Method Used: N/A

Flammable Limits in Air: N/A

LEL Lower:

Auto-Ignition  
Temp: N/A

Extinguisher Media: Non flammable if involved in fire, can extinguish with dry chemical; CO<sub>2</sub>, water spray or foam.

**Special Fire Fighting Procedures:** This product is non-flammable, and does not support combustion. If heated to decomposition, the nitrate ion will support combustion and could explode. Use of self contained breathing apparatus is recommend when there is extreme heat.

**Unusual Fire and Explosion Hazards:** If this product is heated to an anhydrous state it will omit Sulfur dioxide which are hazardous if inhaled. Exposure to high heat can emit toxic vapors.

## SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

<b>Stability:</b>	<input checked="" type="checkbox"/> Stable	<input type="checkbox"/> Unstable	<b>Conditions to Avoid:</b> Excessive Heat
<b>Reactivity Materials to Avoid!:</b>	Flammable or easily oxidized materials, incompatible to phosphate fertilizers, and is highly corrosive to metals in concentrated state. Easily oxidized materials avoid exposure to flame or extreme heat. Not compatible with phosphate fertilizers. Highly corrosive to metals.		
<b>Hazardous Decomposition Products:</b>	Nitrate		
	<b>Hazardous Polymerization:</b> May Occur:	<input type="checkbox"/>	Will Not Occur: <input checked="" type="checkbox"/>
	<b>Conditions to Avoid:</b> Extreme Heat.		

## SECTION 6 - HEALTH HAZARDS

**ACUTE:** Mild skin irritant, conjunctivitis, upset stomach and or gastrointestinal symptoms are temporary.

**CHRONIC:** Prolonged skin contact may result in dermatitis (drying) or eczema (itching)

<b>CARCINOGEN:</b>	<input type="checkbox"/>	<b>NTP</b>	<input type="checkbox"/>	<b>OSHA</b>
<b>LISTED IN:</b>	<input type="checkbox"/>	<b>IARC MONOGRAPH</b>	<input checked="" type="checkbox"/>	<b>NOT LISTED</b>

ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES	
<b>1. Inhalation:</b>	Move victim to fresh air. If Person Not Breathing CALL 911, perform artificial respiration if necessary. Call physician if symptoms persist.
<b>2. Eyes:</b>	Flush eyes with running water for 15-20 minutes. If wearing eye contact remove after the first few minutes.
<b>3. Skin:</b>	Wash with soap and water, remove contaminated clothing.
<b>4. Ingestion:</b>	Call a Physician. This Product Contains Nitrates, Which Can Effect Heart Rhythm. If Taking Heart Medication Contact Physician Immediately. Have Person Sip a Glass of Water. Do NOT Induce Vomiting Unless Instructed by Physician.

## SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

### Precautions to be Taken

**Handling and Storage:** Store in cool ventilated place away from fire hazards, excessive heat, flammable or easily oxidizable materials. Will Percipitate at or below 34 Fahrenheit.

**Other Precautions:** Do not allow product to go below 35 degrees. Apply product in open areas. Keep away from children and pets.

**Steps to be taken in case of Release or Spill** Clean at once. Do not allow dry material or come in contact with heat.

**Waste Disposal:** Consult federal, state, and local regulations. Flush with water to and collect in a chemical waste disposal. Dispose according to federal, state and local regulations.

## SECTION 8 - CONTROL AND PROTECTIVE MEASURES

**Respiratory Protection:** None required if used in open under normal conditions. Self contained respiratory equipment should be used in the event of a spill.

**Protective Gloves:** Rubber or plastic.

**Eye Protection:** Side-Sheilded Safety Goggles or face shield.

**Other Protective Clothing or equipment:** Wear clean clothing.

**Hygienic Work Practice:** Bath and wash clothes after mission is complete.

## SECTION 9 - TRANSPORT AND REGULATORY INFORMATION

**MATERIAL IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION**

**Proper Shipping Name:** KeyPlex ByPass

**Hazard Class Number:** None

**Description:** None

**UN Identification Number:** None

**Packing Group:** None

**DOT Label(s) Required:** None

**NFPA CODE:** Health = 1    Flammability = 0    Reactivity = 0

**Toxicity:**

**Notes:** This product is not regulated by EPCRA or any of the provisions of SARA Title III.

END