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## Material Safety Data Sheet

Identity of Material: Soil Conditioner

### Section 1 General Information

Manufacturer's Name: J & J Agri-Products & Services, Inc

Emergency Telephone Number: 1-877-457-4040

Address: 220 South Second Street, Dillsburg, PA 17019

Information Telephone Number: 1-877-457-4040

Date MSDS: 10/29/1991

MSDS Prepared By : Microbac Laboratories, Inc.

### Section 2 Hazardous Ingredients/Identity Information

Cas #	Chemical Name	Compound Name	%	OSHA PEL
64-17-5	Ethyl Alcohol	Same	8 -10 %	1000 ppm
67-63-0	Iso Propyl Alcohol	Same	8 – 10%	400 ppm
Not Listed	Anionic Surfactants*	Same	45 – 50 %	None Estb.
7732-18-5	Water/H2O	Same	35 – 40 %	None Estb.

### Section 3 Physical and Chemical Characteristics

Boiling Point	N/A
Melting Point	Liquid at room temperature
Specific Gravity	1.000 C 20 degrees C (68 degrees F)
Vapor Pressure	N/A
Soluble in Water	Soluble @ 25 degrees C
Evaporation Rate	N/A
Freezing Point	N/A
Appearance and Color	Light brown liquid with a viscosity slightly higher than water. Moderate alcohol odor.
pH	7.7

\* Trade Secret

#### **Section 4 Fire and Explosion Hazard Data**

Flashpoint: 79 degrees F (closed cup)

LEL: 1.8%

UEL 19.0 %

**Extinguishing Media:** Alcohol Foam, CO2, dry chemical

**Special firefighting techniques:**

Firefighters must be equipped to prevent inhalation of vapors or products of decomposition and combustion. Wear approved self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:**

Moderate explosion hazard when exposed to Flame.

#### **Section 5 Reactivity Data**

**Stability:** Stable under normal conditions

**Incompatibility (materials to avoid):** Strong oxidizers

**Hazardous Decomposition Products:** When heated to decomposition temperature, highly toxic fumes of SOx are emitted

**Conditions to avoid:** Extreme heat and open flame.

#### **Section 6 Health Hazard Data**

**Routes of entry:**       Inhalation: Yes  
                                  Skin: Yes  
                                  Ingestion: Yes

**Health Hazards:** Acute Inhalation: Mild to moderate irritation to eyes, nose and throat.

**Skin:** Drying effect on skin, mild irritant.

**Eye Contact:** Can cause mild to severe irritation.

**Acute:** Ingestion: Drowsiness, headache, abdominal cramps, nausea, vomiting and diarrhea

**Acute:** Ingestion: May cause abdominal discomfort. Rarely inorganic nitrates may be reduced to nitrites in the digestive tract by nitrate reducing bacteria resulting in methemoglobinemia.

**Effects of Overexposure:**

**Acute:** See above health hazards.

**Chronic:** Inhalation: No data available

**Skin:** Prolonged or repeated contact with irritants may cause dermatitis.

**Eye:** Prolonged or repeated exposure to irritants may cause conjunctivitis.

Acute Oral LD50 = 3900 mg/kg rat

## **Emergency and First Aid Procedures**

**Eyes:** Wash eyes immediately with copious amounts of water ( 15 – 20 minutes) occasionally lifting the upper and lower lids. Get medical help immediately.

**Skin:** Remove contaminated clothing and shoes immediately. Wash affected areas with soap and large amounts of water for at least 15 – 20 minutes or until no evidence of the chemical remains. Get medical help immediately.

**Inhalation:** Remove to fresh air immediately. Keep person warm and at rest and get medical attention immediately.

**Ingestion:** Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs keep head lower than hips to prevent aspiration.

## **Section 7 Precautions for Safe Handling and Use**

**Spills or Releases:** For small spill: Contain and place contaminated material in a clean dry inert (plastic) container. For larger spills dike far ahead of spill and absorb a free liquid with soil/sand or other absorbing material for later disposal.

**Waste Disposal:** Dispose of waste, containers or contaminated material in accordance with Federal, State and Local regulations.

### **Precautions to be taken in handling/storage:**

Store away from incompatible substances in a well-ventilated, cool area.

**Note:** Nitrates are listed under the regulated contaminants for public water supplies by the EPA. Avoid contamination of all water supplies.

## **Section 8 Control Measures**

**Ventilation Requirements:** Store in a well ventilated area.

Personal Protection

**Respiratory:** A minimum of dust and mist or air purifying respirator should be worn in areas of mist or dust.

**Eye:** Do not wear contacts. Safety glasses or goggles are recommended.

**Gloves:** Recommended: Latex or butyl

**Other:** Wear appropriate protective impervious clothing and equipment to prevent prolonged or repeated skin contact with this substance.

### **Monitoring Exposures**

Work/Hygiene Practices: N/A

**Section 9 Special Precautions and Comments**

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