

MSDS Preparation Date: October 21, 2009

**MATERIAL SAFETY DATA SHEET****SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** **MangaMax****Supplier name and address:****NutriAg Ltd.**

39 Gail Grove

Toronto, Ontario, Canada

M9M 1M5

**Emergency Telephone #:** 613-996-6666 (Canutec)**Product use:** Liquid Micronutrient Fertilizer  
containing manganese.**Manufacturer's name and address:**

Refer to Supplier

**WHMIS information:****SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

<u>Component:</u>	<u>% (weight)</u>
Proprietary formulation of a liquid Manganese fertilizer	100%

**SECTION 3 — PHYSICAL AND CHEMICAL PROPERTIES**

<b>% Manganese (Mn)</b>	5.5%
<b>Appearance:</b>	Light Brown liquid.
<b>Odour:</b>	Fruity
<b>Specific Gravity:</b>	1.21
<b>Water Solubility:</b>	Completely soluble.
<b>pH (1% w/v solution):</b>	5.4

**SECTION 4 — FIRE AND EXPLOSION DATA**

<b>Flash Point And Method</b>	: Non flammable
<b>Extinguishing Media</b>	: Dry powder, carbon dioxide, water, foam
<b>Unusual Fire Hazards</b>	: None known
<b>Unusual Explosion Hazards</b>	: None known
<b>Special Fire Fighting</b>	:
<b>Procedures And Precautions</b>	: None

**SECTION 5 — REACTIVITY AND STABILITY DATA**

<b>Stability</b>	: Stable in normal use and storage. Store in sealed containers.
<b>Conditions to Avoid</b>	: None known
<b>Hazardous Polymerization</b>	: Will not occur
<b>Hazardous Decomposition</b>	
<b>Products</b>	: None known
<b>Incompatibility</b>	: Lime Sulphur and Bordeaux Mixture
<b>(Materials to avoid)</b>	Keep away from strong oxidizing agents and acids.

**SECTION 6 — TOXICOLOGICAL INFORMATION****Routes of exposure:** Skin contact, eye contact, inhalation and ingestion.

<b>Eye Contact</b>	: Mild eye irritant.
<b>Skin Contact</b>	: Mild skin irritant.
<b>Inhalation</b>	: Low toxicity. Not usually a problem.
<b>Ingestion</b>	: Low toxicity. Treat symptomatically.

**SECTION 7— FIRST AID MEASURES**

<b>Inhalation:</b>	If breathing is difficult, remove person to fresh air. If breathing stops, provide rescue breathing and obtain medical attention immediately.
<b>Skin contact:</b>	Wash affected area with soap and water, while removing contaminated clothing. Launder clothing before re-use. If irritation persists, seek medical attention.
<b>Eye contact:</b>	Immediately flush eyes with running water for at least 15 minutes. If irritation persists, seek medical attention.

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**Ingestion:** If swallowed, induce vomiting. Obtain medical attention immediately. Never give anything by mouth to an unconscious person.

## SECTION 8 — PREVENTATIVE MEASURES

**Spill or Leak Procedures:** Soak up on dust-free sawdust and place in a marked container Wash down area with water.

**Waste Disposal:** Material that cannot be used or chemically reprocessed and empty containers should be disposed of in accordance with all applicable laws and regulations.

### \*\*\*PROTECTIVE EQUIPMENT\*\*\*

**Ventilation and engineering controls:** Use with adequate ventilation.

**Respiratory protection:** Use NIOSH approved respirators.

**Protective gloves:** Wear rubber gloves impervious to the material.

**Eye protection:** Chemical goggles, to prevent liquid splashes from entering the eyes.

**Other protective equipment:** Wear chemically resistant overalls and impervious boots to prevent skin contact. A safety shower and eyewash station should be made available in the immediate working area.

### \*\*\*STORAGE & HANDLING\*\*\*

**Handling and Storing**

**Precautions:** Store in a cool, dry, well-ventilated area. Protect from freezing. Avoid contamination of food, feed, domestic or irrigation water supplies, lakes, streams and ponds. Three year shelf life.

### Special Shipping Information:

Transportation of Dangerous Goods (TDG) information: not regulated for transport

*Shipping Description:* liquid micronutrient fertilizer.

## SECTION 9 — PREPARATION INFORMATION

**Prepared by:** NutriAg Ltd.

**Telephone number:** 416-636-1555

**Preparation date:** October 21, 2009

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