

MSDS Preparation Date: August 5, 2010

MATERIAL SAFETY DATA SHEET**SECTION 1 — PRODUCT IDENTIFICATION****Product identifier:** **ZinManMax****Product use:** Liquid Micronutrient Fertilizer.**Supplier name and address:****NutriAg Ltd.**

39 Gail Grove

Toronto, Ontario, Canada

M9M 1M5

Emergency Telephone #: 613-996-6666 (Canutec)**Manufacturer's name and address:**

Refer to Supplier

WHMIS information: Class D2 (Toxic)**SECTION 2 — CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS**

Component:	% (weight)
Proprietary formulation of a liquid zinc fertilizer	100%

SECTION 3 — PHYSICAL AND CHEMICAL PROPERTIES

% Zinc (Zn):	5.1%
% Manganese (Mn):	2.7%
% Boron (B):	0.5%
% Molybdenum (Mo):	0.25%
Appearance:	Dark Brown/Black liquid.
Odour:	Fruity
Specific Gravity:	1.236
Water Solubility:	Completely soluble.
pH (1% w/v solution):	6.20

SECTION 4 — FIRE AND EXPLOSION DATA

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

SECTION 5 — REACTIVITY AND STABILITY DATA

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

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

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

SECTION 7— FIRST AID MEASURES**Inhalation:** If breathing is difficult, remove person to fresh air. If breathing stops, provide rescue breathing and obtain medical attention immediately.

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- Skin contact:** Wash affected area with soap and water, while removing contaminated clothing. Launder clothing before re-use. If irritation persists, seek medical attention.
- Eye contact:** Immediately flush eyes with running water for at least 15 minutes. If irritation persists, seek medical attention.
- 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 original containers. Store in a cool, dry, well-ventilated area. Protect from freezing. Transfer equipment should be constructed of chemical-resistant plastic or stainless steel. Do not store in aluminum or steel containers. Avoid contamination of food, feed, domestic or irrigation water supplies, lakes, streams and ponds. Three year shelf life.
- Environmental:** Avoid run-off to water supplies, streams, etc or storm-water discharge.

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:** August 5, 2010
- Revision date:** May 6, 2011, section 3 & 8.

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