

**Material Safety Data Sheet**

**SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION**

Agri Business Technologies Inc.  
1102 Third Avenue West  
Albany, GA 31707  
TEL: 229-426-4677

PRODUCT: BOAR MAX

SUBSTANCE: BOR-MAX Plus is a liquid micronutrient fertilizer mixture with derived from boric acid, sodium molybdate, and cobalt sulfate.

TRADE NAMES: Liquid Boron

SYNONYMS: Fertilizer Micronutrients

CHEMICAL FAMILY: Inorganic Liquid

**SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS, OSHA HAZARDOUS COMPONENTS**

<u>COMPONENTS</u>	<u>wt. %</u>	<u>CAS NUMBER</u>	<u>EXPOSURE LIMITS 8 hrs. TWA (mg/m3)</u>	
			<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Boric Acid (H <sub>3</sub> BO <sub>3</sub> )	6% B	26038-87-9	NA	NA
Sodium Molybdate	0.0005% Mo	10102-40-6	NA	NA
Cobalt Sulfate	0.0005% Co	10124-43-3	NA	NA
Water (H <sub>2</sub> O)	Proprietary	7732-18-5	NA	NA

DESCRIPTION: Amber colored liquid with a faint fishy odor.

MELTING POINT: NA

BOILING POINT: 200° F

SPECIFIC GRAVITY: (H<sub>2</sub>O=1): 1.2

WATER SOLUBILITY: 100%

**SECTION 3: HAZARDS IDENTIFICATION**

NFPA RATINGS: (SCALE 0-4): HEALTH=1, FIRE=0, REACTIVITY=0

EMERGENCY OVERVIEW: Boric Acid is mild irritant and contact with strong oxidizers should be avoided. Wash thoroughly after handling.

POTENTIAL HEALTH EFFECTS:

INHALATION: May cause irritation of nasal passages and throat with prolonged exposure.

INGESTION: Boric Acid is a human poison by ingestion. Get medical attention immediately.

SKIN CONTACT: Prolonged or repeated contact may cause dermatosis, eczema.

EYE CONTACT: Prolonged exposure may cause severe irritation of the eyes.

CARCINOGEN STATUS: None listed in OSHA, NTP, IARC or ACGIH.

**SECTION 4: FIRST AID MEASURES**

INHALATION: Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

SKIN CONTACT: Wash skin with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists seek medical attention.

EYE CONTACT: Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids. Get medical attention if eye if eye irritation persists.

INGESTION: Dilute with water and/or milk and do not induce vomiting unless directed by a physician. If person is unconscious or convulsing, never induce vomiting or attempt to give liquids. Call physician or Poison Control Center immediately for most current information. NOTE TO PHYSICIAN: see Dreisbach Handbook of Poisoning 12<sup>th</sup> edition

(2)

#### **SECTION 5: FIRE FIGHTING MEASURES**

FIRE AND EXPLOSION HAZARD: Negligible.

EXTINGUISHING MEDIA: NA

FIREFIGHTING: Move product from fire area if you can without risk. Dike area to prevent runoff and contamination of water sources, if possible.

FLASH POINT: None

LOWER FLAMMABLE LIMIT: NA

UPPER FLAMMABLE LIMIT: NA

AUTOIGNITION: NA

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition may boron oxides.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

OCCUPATIONAL SPILL: Wear rubber gloves and a rubber apron and chemical goggles. Pick up spills by using absorbent media, then scooping, shoveling or vacuuming into containers for disposal. Wash thoroughly after handling. Maintain adequate ventilation. When disposing of material comply with all Federal, State, and Local government regulations.

LARGE SPILLS: Dike immediately with absorbent material, dirt or other non-combustible absorbent material. Keep material out of sewers, storm drains, and surface water. Comply with all Federal, State, and Local government regulations.

#### **SECTION 7: HANDLING AND STORAGE**

Wash thoroughly with soap and water after handling. Avoid contact with eyes, skin, and clothing.

Store in a cool (above 32°) dry, well ventilated, area away from incompatible materials (any strong oxidizers). Product should be stored in stainless steel, fiberglass or polypropylene. Inspect vales regularly and replace as needed. All transfer equipment (pumps, valves, etc.) should be constructed with stainless steel or chemical resistant plastic.

#### **SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION**

VENTILATION: Provide local exhaust ventilation system when handling in an enclosed space.

EYE PROTECTION: Wear safety glasses with splash shields or safety goggles/shield to prevent contact with this product.

CLOTHING, BODY, HANDS and ARMS: Wear rubber gloves with gauntlets, rubber apron and long pants and long sleeved shirt.

EMERGENCY WASH FACILITIES: Must provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

RESPIRATOR: The respirator selected must be based on contamination levels found in the work place and comply with 29 CFR 1910.134 OR CSA Standard Z94.4-M1982 for mist exposure that may exceed exposure limits. Respirators must be NIOSH and MSHA approved.

#### **SECTION 9: STABILITY AND REACTIVITY**

REACTIVITY: Stable under normal temperature and pressures in sealed containers.

CONDITIONS TO AVOID: Exposure or mixing with strong oxidizers and acids.

INCOMPATIBILITIES: Acids (Strong): Incompatible

HAZARDOUS DECOMPOSITION: Thermal decomposition may release toxic oxides of molybdenum.

POLYMERIZATION: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

#### **FOR FURTHER INFORMATION CONTACT**

**Agri Business Technologies, Inc.**

**(229) 436-4677**