

# SAFETY DATA SHEET

OJ BIO PERFORMANCE 4-0-0 with UMAXX®



## 1 PRODUCT INFORMATION

**Product name :** OJ BIO PERFORMANCE 4-0-0  
Product use : foliar fertilizer. Identity # : 00078  
Description : Biological liquid fertilizer with 2% Fe and 3% Mn.

Date 16/4/2012

**Manufacture's name :**  
Hocking International Laboratories, East, LLC  
171B Gene Stewart Court  
Sylacauga State - AL 35151  
1 760 432-5277 | Contact person - Robert Munion

**Supplier :**  
OJ Company  
294 rang Saint-Paul  
Sherrington, Quebec J0L 2N0  
1 800 595-6886

**Emergency phone (CHEMTREC) :** 1 800 424-9300

## 2 INFORMATION ON THE PREPARATION OF MSDS

Prepared for OJ Company, 1 800 596-6886

## 3 HAZARDOUS INGREDIENTS INFORMATION

Hazardous component name	C.A.S.-N°	OSHA PEL	ACGIH TLV
Ferrous sulfate	7720787	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>
Ammonium Nitrate	6484522	Not established	Not established
Manganese Nitrate	10377669	1mg/m <sup>3</sup>	1mg/m <sup>3</sup>

COV content : <10 g/L

## 4 PHYSICAL AND CHEMICAL PROPERTIES

**Physical state :** aqueous liquid  
**Density :** g/ml  
**Freezing point :**  
**Boiling point :** >100°C  
**Saturation concentration:** ppm  
**Evaporation rate (éther=1) :** Not tested  
**Specific Gravity :** 1.259

**Color and odor :** brown, seaweed odor  
**Odor threshold :** ppm  
**Melting point :** Not tested  
**Vapor pressure :** Not tested  
**Vapor density :** Not tested  
**pH (10% solution) :** 2.5 - 4.0  
**Water solubility :** 100%

## 5 FIRE AND EXPLOSION HAZARD

**Flash point :** none  
**Upper flammability limit :** Not tested  
**Autoignition temperature :** Not tested  
**Explosiveness :**  
**Unsuitable extinguishing product :** Not tested

**Flammable limits :** Not tested  
**Lower flammability limit :** Not tested  
**Flammability conditions :**  
**Suitable extinguishing media :** Co<sub>2</sub>, dry foam  
**Conditions to avoid :** strong oxidizers

## 6 STABILITY AND REACTIVITY INFORMATION

**Stability :** stable  
**Decomposition products :** CO, CO<sub>2</sub>  
**Incompatible materials to avoid :** Chlorine releasing materials, High pH.

**Reactivity conditions :** strong oxidizers  
**Polymerization :** none



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## 7 TOXICOLOGICAL PROPERTIES

### Routes of entry :

-Inhalation : possible

-skin : possible

-Ingestion : possible

### Signs and symptoms of over exposure :

- Inhalation : irritant

-eyes : burning sensation

-Ingestion : irritant

**Health hazard** : same as signs and symptoms of exposure

**Carcinogenicity** : none

**Teratogenicity** :

**Name of toxicologically synergistic products** :

**Exposure limits** : ppm, mg/m<sup>3</sup>

**Sensitisation** :

**Reproductive toxicity** :

**Mutagenicity** :

## 8 PREVENTIVE MEASURES

### Protection equipment to use :

-**respiratory protection** : use NIOSH respirator equipment «If» and when there is an exposure and it is above the TLV or PEL.

-**protective gloves** : plastic or rubber gloves, chemical resistant.

-**eyes protection** : glasses, goggles

**Other protective clothing or equipment** : none

**Ventilation** : local exhaust if available, mechanical if available.

**Steps to be taken in case material is release or spilled** : soak up with inert, absorbent material. Scoop up and place in a proper waste disposal container.

**Waste disposal method** : dispose of in accordance with local, regional regulations.

**Work hygienic practices** : never mix chemicals. Directions for use are normally found on label which will dictate engineering and control measures.

**Precaution to be taken in storing** : store in a cool, dry place, out of direct sunlight. Do not freeze, less than or equal to 0°C, or heat above 43°C. Keep out of reach of children.

**Special shipping information** :

## 9 FIRST AID PROCEDURES

**Eyes** : flush with water for 15 minutes. If irritation persists, call physician.

**Skin**: wash off with soap and water.

**Ingestion** : drink large amount of water, call physician. Never give fluids to an unconscious person.

**Inhalation** : get person to fresh air, if unconscious call physician.

## 10 NOTE

To the best of our knowledge, we believe the data set forth are accurate. However, neither the above-named manufacturer nor any of its suppliers assumes any liability whatsoever with respects to the accuracy or completeness of the information contained in this document.

It is solely for the user to determine the suitability of any material. All materials may present unknown hazards and should be used with caution.

Although certain hazards are described herein, we can not guarantee that it does not exist. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.

