

## Plant-Prod 30-8-8 WIN Tree

### SECTION 1. IDENTIFICATION

|                                      |   |
|--------------------------------------|---|
| <b>Product Identifier</b>            | Plant-Prod 30-8-8 WIN Tree  |
| <b>Other Means of Identification</b> | 10573   |
| <b>Product Family</b>                | Plant-Prod  |
| <b>Recommended Use</b>               | Water Suspensible Fertilizer for Plants.  |
| <b>Manufacturer</b>                  | Master Plant-Prod Inc., 314 Orenda Rd. , Brampton, Ontario, Canada, L6T 1G1, Canada |
| <b>Emergency Phone No.</b>           | CANUTEC, 1-613-996-6666, 24 Hours   |

### SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

#### Classification

Serious eye damage - Category 1; Carcinogenicity - Category 2; Reproductive toxicity - Category 1

#### Label Elements



Signal Word:

Danger

Hazard Statement(s):

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

H360 May damage fertility or the unborn child.

Precautionary Statement(s):

Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention.

P310 Immediately call a POISON CENTRE or doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents and container in accordance with local, regional, national and international regulations.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Contains no hazardous ingredients. Mixture:

| Chemical Name                         | CAS No.    | %     | Other Identifiers | Other Names |
|---------------------------------------|------------|-------|-------------------|-------------|
| Potassium sulphate                    | 7778-80-5  | 6     |                   |             |
| Boric acid                            | 10043-35-3 | <0.15 |                   |             |
| Nitrilotriacetic acid, trisodium salt | 5064-31-3  | <0.20 |                   |             |

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. If breathing has stopped, trained personnel should begin rescue breathing. Call a Poison Centre or doctor. If ammonia gas is inhaled from heated fertilizer and breathing has stopped, begin artificial respiration.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Immediately call a Poison Centre or doctor. Thermal burns require immediate medical attention.

#### Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Immediately call a Poison Centre or doctor.

#### Ingestion

For large amounts immediately call a Poison Centre or doctor. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

### Immediate Medical Attention and Special Treatment

#### Special Instructions

See first aid information above. Note to Physicians: Provide general supportive measures and treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Use flooding quantities of water or other suitable extinguishing agent.

#### Unsuitable Extinguishing Media

DO NOT use water jet.

### Specific Hazards Arising from the Product

Mild oxidizer. May intensify fire.

In a fire, the following hazardous materials may be generated: corrosive, flammable ammonia; corrosive, oxidizing nitrogen oxides; corrosive phosphorous oxides; potassium oxides; metal oxides.

### Special Protective Equipment and Precautions for Fire-fighters

Wear SCBA and full protective clothing. Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet. Remove or isolate incompatible materials as well as other hazardous materials. Eliminate all ignition sources. Use grounded, explosion-proof equipment.

### Environmental Precautions

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Do not allow into any sewer, on the ground or into any waterway.

### Methods and Materials for Containment and Cleaning Up

Contain the spill. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Avoid generating dust.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Do not breathe in this product. Do not get in eyes, on skin or on clothing. Avoid exposure during pregnancy and while nursing. Only use where there is adequate ventilation. Avoid generating dusts.

### Conditions for Safe Storage

Store in an area that is: cool, dry, well-ventilated. Store in a closed container. Keep out of reach of children.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name                         | ACGIH TLV®          |                     | OSHA PEL             |         | AIHA WEEL |     |
|---------------------------------------|---------------------|---------------------|----------------------|---------|-----------|-----|
|                                       | TWA                 | STEL                | TWA                  | Ceiling | 8-hr TWA  | TWA |
| Boric acid                            | 2 mg/m <sup>3</sup> | 6 mg/m <sup>3</sup> |                      |         |           |     |
| Nitritotriacetic acid, trisodium salt |                     |                     | 15 mg/m <sup>3</sup> |         |           |     |

### Appropriate Engineering Controls

General ventilation is usually adequate. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

When handling dry concentrated product: wear protective safety glasses. When handling dissolved product: wear chemical safety goggles.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

Use an appropriate NIOSH approved particulate respirator. Monitor dust levels within working area and ensure adequate ventilation.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|                             |  |
|-----------------------------|--|
| Appearance                  | Blue fine powder. Particle Size: Not available |
| Odour Threshold             | Not applicable                                 |
| Initial Boiling Point/Range | Not applicable                                 |
| Flash Point                 | Not applicable                                 |
| Evaporation Rate            | Not available                                  |
| Flammability (solid, gas)   | Will not burn.                                 |
| Vapour Pressure             | Not available                                  |
| Solubility                  | Slightly soluble in water                      |
| Decomposition Temperature   | Not available                                  |
| <b>Other Information</b>    |  |
| Physical State              | Solid  |
| Molecular Formula           | Not applicable                                 |
| Molecular Weight            | Not available                                  |

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## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use. May intensify fire.

### Chemical Stability

Normally stable.

### Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

### Conditions to Avoid

Heat. Water, moisture or humidity. Open flames, sparks, static discharge, heat and other ignition sources.

### Incompatible Materials

Strong acids, strong alkaloids, oxidizers, organics.

### Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, the following hazardous materials may be generated. Corrosive, flammable ammonia; corrosive, oxidizing nitrogen oxides; corrosive phosphorous oxides; potassium oxides; metal oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

| Chemical Name                         | LC50 | LD50 (oral)        | LD50 (dermal) |
|---------------------------------------|------|--------------------|---------------|
| Potassium sulphate                    |      | > 2000 mg/kg (rat) |               |
| Boric acid                            |      | 2660 mg/kg         |               |
| Nitritotriacetic acid, trisodium salt |      | 1740 mg/kg (rat)   |               |

### Skin Corrosion/Irritation

Irritation could occur with prolonged exposure to dry fertilizer or fertilizer solution. Contact with heated material may cause thermal burns.

### Serious Eye Damage/Irritation

Irritation or burn could occur if fertilizer solution is splashed in eyes or dry product contacted.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

Very low vapour activity. May lead to respiratory irritation.

#### Skin Absorption

Not absorbed through skin.

#### Ingestion

Effects of over exposure may include nausea, vomiting, diarrhea, weakness or convulsions.

### Carcinogenicity

| Chemical Name                         | IARC     | ACGIH®     | NTP | OSHA       |
|---------------------------------------|----------|------------|-----|------------|
| Boric acid                            |          | A4         |     |            |
| Nitritotriacetic acid, trisodium salt | Group 2B | Not Listed |     | Not Listed |

Nitritotriacetic Acid (NTA) and its salts were determined to be "possibly carcinogenic to humans by IARC, a compound which "may reasonably be anticipated to be a carcinogen" by NTP and a "select carcinogen" by OSHA.

### Reproductive Toxicity

#### Development of Offspring

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Boric acid may cause birth defects, based on animal data.

#### Sexual Function and Fertility

Boric acid may impair male fertility, based on animal data.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

| Chemical Name      | LC50 Fish  | EC50 Crustacea | ErC50 Aquatic Plants | ErC50 Algae |
|--------------------|--|----------------|----------------------|-------------|
| Potassium sulphate | 680 mg/L<br>(Pimephales promelas (fathead minnow); 96-hour)  |                |                      |             |
| Boric acid         | 11100 mg/L<br>(Oncorhynchus mykiss (rainbow trout); 96-hour) |                |                      |             |

#### Persistence and Degradability

No information was located.

#### Bioaccumulative Potential

No information was located.

#### Mobility in Soil

No information was located.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### WHMIS 1988 Classification

Not a WHMIS controlled product.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** MPPI Technical Department

**Phone No.** 905-793-8000

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**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

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Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).

**Disclaimer**

To the best of our knowledge, the information contained herein is accurate. However, neither Master Plant-Prod Inc., nor any of its distributors, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Although certain hazards are described, we cannot guarantee that these are the only hazards that exist. Final determination of suitability of any product is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

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