

# Material Safety Data Sheet

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Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Grow & Gain Plant Food Mist

**Recommended Use** Fertilizer.

**Supplier Address**

Bougainvillea Growers Intl  
7401 Stringfellow Road  
Saint James City  
Florida  
33956  
US  
Phone:954-415-2887  
Fax:561-424-8005  
Contact:Joanna Dansby  
Email:bgi-accounting@bgi-usa.com  
Contact Phone561-374-9216

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May cause eye irritation

**Appearance** Green

**Physical State** Liquid.

**Odor** Acidic

**Potential Health Effects**

**Principle Routes of Exposure** Eye contact. Skin contact. Inhalation.

**Acute Toxicity**

**Eyes**

May cause irritation.

**Skin**

No known effect based on information supplied.

**Inhalation**

No known effect based on information supplied

**Ingestion**

No hazard from product as supplied

**Chronic Effects**

No known effect based on information supplied

**Aggravated Medical Conditions**

None known

**Interactions with Other Chemicals** Use of alcoholic beverages may enhance toxic effects.

**Environmental Hazard** See Section 12 for additional Ecological Information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                   | CAS-No     | Weight % |
|---------------------------------|------------|----------|
| Zinc ethylphenyldithiocarbamate | 14634-93-6 | 1 - 5    |
| Phosphoric acid                 | 7664-38-2  | 1 - 5    |

#### 4. FIRST AID MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>Eye Contact</b>                | Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if symptoms occur.                          |
| <b>Skin Contact</b>               | Wash skin with soap and water. If symptoms persist, call a physician.  |
| <b>Inhalation</b>                 | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.  |
| <b>Ingestion</b>                  | Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. |
| <b>Notes to Physician</b>         | Treat symptomatically.   |
| <b>Protection of First-aiders</b> | Use personal protective equipment as required.   |

#### 5. FIRE-FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flammable Properties</b>                                  | Not flammable.   |
| <b>Flash Point</b>   | 5001 C / 9034 F  |
| <b>Suitable Extinguishing Media</b>                          | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| <b>Hazardous Combustion Products</b>                         | Carbon oxides.   |
| <b><u>Explosion Data</u></b>                                 |  |
| <b>Sensitivity to Mechanical Impact</b>                      | No.  |
| <b>Sensitivity to Static Discharge</b>                       | No.  |
| <b>Protective equipment and precautions for firefighters</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

**NFPA**                      **Health Hazard** 1                      **Flammability** 0                      **Stability** 0                      **Physical and Chemical Hazards** -

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment as required.  |
| <b>Environmental Precautions</b> | Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.     |
| <b>Methods for Containment</b>   | Prevent further leakage or spillage if safe to do so.   |
| <b>Methods for Cleaning Up</b>   | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. |
| <b>Other Information</b>         | Refer to protective measures listed in Sections 7 and 8.  |

#### 7. HANDLING AND STORAGE

|                 |   |
|-----------------|---|
| <b>Handling</b> | Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Wear personal protective equipment. |
|-----------------|---|

**Storage** Keep containers tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name                | ACGIH TLV   | OSHA PEL  | NIOSH IDLH  |
|------------------------------|---|---|---|
| Phosphoric acid<br>7664-38-2 | STEL: 3 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup> | TWA: 1 mg/m <sup>3</sup><br>(vacated) TWA: 1 mg/m <sup>3</sup><br>(vacated) STEL: 3 mg/m <sup>3</sup> | IDLH: 1000 mg/m <sup>3</sup><br>TWA: 1 mg/m <sup>3</sup><br>STEL: 3 mg/m <sup>3</sup> |

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection** No special protective equipment required  
**Skin and Body Protection** No special protective equipment required  
**Respiratory Protection** None under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                  |                          |                                      |                           |
|----------------------------------|--------------------------|--------------------------------------|---------------------------|
| <b>Appearance</b>                | Green.                   | <b>Odor</b>                          | Acidic.                   |
| <b>Odor Threshold</b>            | No information available | <b>Physical State</b>                | Liquid                    |
| <b>pH</b>                        | 7.36                     | <b>Autoignition Temperature</b>      | No information available  |
| <b>Flash Point</b>               | 9034 F / 5001 C          | <b>Boiling point / boiling range</b> | No information available  |
| <b>Decomposition Temperature</b> | No information available | <b>Flammability Limits in Air</b>    | No information available  |
| <b>Melting Point/Range</b>       | No information available | <b>Solubility</b>                    | No information available. |
| <b>Explosion Limits</b>          | No information available | <b>Vapor Pressure</b>                | No data available         |
| <b>Water Solubility</b>          | Liquid                   |                                      |                           |
| <b>Evaporation Rate</b>          | No information available |                                      |                           |
| <b>Vapor Density</b>             | No data available        |                                      |                           |

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

**Incompatible Products** None known.

**Conditions to Avoid** None known.

**Hazardous Decomposition Products** None known based on information supplied.

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|-----------|-------------|-----------------|
|               |           |             |                 |

|                 |                      |                         |                                     |
|-----------------|----------------------|-------------------------|-------------------------------------|
| Phosphoric acid | = 1530 mg/kg ( Rat ) | = 2730 mg/kg ( Rabbit ) | > 850 mg/m <sup>3</sup> ( Rat ) 1 h |
|-----------------|----------------------|-------------------------|-------------------------------------|

**Chronic Toxicity**

**Target Organ Effects** None known.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

| Chemical Name   | Toxicity to Algae | Toxicity to Fish                               | Toxicity to Microorganisms | Daphnia Magna (Water Flea)              |
|-----------------|-------------------|--|----------------------------|---|
| Phosphoric acid |                   | LC50: 3 - 3.5 mg/L (96 h )<br>Gambusia affinis |                            | EC50: 4.6 mg/L (12 h )<br>Daphnia magna |

**13. DISPOSAL CONSIDERATIONS**

**Disposal methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Dispose of contents/containers in accordance with local regulations.

**Contaminated Packaging** Do not reuse empty containers

**California Hazardous Waste Codes** 134

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                 | California EHW | California Carc | California Hazardous Waste | California Waste - Part 2                                |
|-------------------------------|----------------|-----------------|----------------------------|--|
| Zinc ethylphenylthiocarbamate |                |                 | Toxic                      | STLC (for PBTs): 250 mg/L<br>TTLC (for PBTs): 5000 mg/kg |
| Phosphoric acid               |                |                 | Corrosive                  |  |

**14. TRANSPORT INFORMATION**

**DOT** NOT REGULATED

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**IATA** Not regulated

**IMDG/IMO** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL Not determined

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name                   | CAS-No     | Weight % | SARA 313 - Threshold Values % |
|---------------------------------|------------|----------|-------------------------------|
| Zinc ethylphenyldithiocarbamate | 14634-93-6 | 1 - 5    | 1.0                           |

**SARA 311/312 Hazard Categories**

Acute Health Hazard No  
 Chronic Health Hazard No  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name                   | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---------------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Zinc ethylphenyldithiocarbamate |                             | X                      |                           |                            |
| Phosphoric acid                 | 5000 lb                     |                        |                           | X                          |

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name   | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|-----------------|--------------------------|------------------------------------|
| Phosphoric acid | 5000 lb                  |                                    |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

| Chemical Name         | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------------------|---------------|------------|--------------|----------|--------------|
| Nitrogen              | X             | X          | X            | -        |              |
| Potassium             | X             | X          | X            |          |              |
| Supplier Trade Secret | X             | X          | X            |          | X            |
| Supplier Trade Secret | X             | X          | X            | X        | X            |
| Supplier Trade Secret | X             | X          | X            | X        | X            |

**International Regulations**

**Mexico - Grade**

Minimum risk, Grade 0

| Chemical Name   | Carcinogen Status | Exposure Limits   |
|-----------------|-------------------|---|
| Phosphoric acid |                   | Mexico: TWA 1 mg/m <sup>3</sup><br>Mexico: STEL 3 mg/m <sup>3</sup> |

**Canada**

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**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Revision Date** 20-Mar-2014

**Revision Note** No information available.

**General Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

**End of Safety Data Sheet**