

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 Name Bougainvillea Growers Intl
Supplier Address 7401 Stringfellow Road
Saint James City
Florida
33956
US

Supplier Phone Number Phone:954-415-2887
Fax:561-424-8005
Contact Phone561-374-9216

Supplier Email bgi-accounting@bgi-usa.com
Supplier Contact Name Joanna Dansby

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

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention immediately if symptoms occur.

Skin Contact Wash skin with soap and water. If symptoms persist, call a physician.

Inhalation Remove to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Notes to Physician Treat symptomatically.

Self-protection of the first aider Use personal protective equipment as required.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point 5001 C / 9034 F

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Hazardous Combustion Products Carbon oxides.

Explosion Data

Sensitivity to Mechanical Impact No.

Sensitivity to Static Discharge No.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment as required.

Environmental Precautions Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Other Information Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Use personal protection 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 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

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

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

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		96h LC50: 3 - 3.5 mg/L (Gambusia affinis)		12h EC50: = 4.6 mg/L

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 ethylphenyldithiocarbamate			Toxic	STLC (for PBTs): 250 mg/L 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

US 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 ³ Mexico: STEL 3 mg/m ³

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

16. OTHER INFORMATION

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

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Revision Note No information available.

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