

Foliar Spray (Indoor)

Dedicated to wider application of key ingredients for sustainable farming practices. It is formulated for indoor growing. Foliar Spray is an adjuvant that blends easily with nutrients, herbicides, fungicides, and pesticides to increase their efficiency. It reduces surface tension improving absorption of moisture and nutrients to increase growth and quality for all crops. Agrichemicals can be cut back 30% or more and some can be eliminated.

Benefits

Foliar Spray improves:

- Uptake of nutrients and moisture are increased by elevation of the cation exchange capacity (CEC) increasing root size for improved stamina, increased brix, and terpene.
- Levels of natural growth stimulators. Naturally occurring levels of auxin, gibberellin and cytokinin plant hormones regulate roots, shoots, and bud growth and essential oil production.
- The transport of sugars (brix) giving a noticeable improvement in flavor and enhanced smell and taste.

Michigan State University scientists proved effectiveness of foliar feeding. They learned; foliar applied nutrients have a 95% effectivity of uptake as opposed to 10% with nutrients applied to the soil. They measured a 65% uptake of nutrients just 25 minutes after application. And they demonstrated that applying nutrients to foliage encourages plants to exude more carbohydrates into the root zone, which in turn increases microbial activity in the root area to increase nutrient uptake from the growing medium.

Specifications

Form: Liquid

Color: Clear to Opaque

Odor: Faint

pH: Neutral

Freezing point: 28°F

Initial boiling point: >212°F

Flash point: Non-Combustible

Vapor pressure: Same as Water

Vapor density: Heavier Than Air

Specific gravity: 1.001

Water solubility: Complete

Application

Foliar Spray Concentrate is formulated for addition to water or nutrient mixture at 15 ml (0.5 oz.) per gallon. The cost per gallon of spray solution is 39¢ - 23¢ per gallon depending upon order quantity. Guidelines are suggested starting points only. The amount needed is dependent on the size of your plants and the thoroughness of application. Monitor to avoid overfeeding. Customers report reduction of agrichemicals by one third or more. Mist weekly at low light. Use this method and ratio all the way from seedlings or rooted clones through flowering. Do not spray into open flowers. Adjust your spray technique from mid-flower through finish by only hitting the underside of the lower fan leaves so as not to pack any more liquids onto the ripening buds. Stop when flowers are fully formed. Keep testing and adjusting to be sure you are not applying too much or not enough fertilizer. Guidelines are suggested starting points only. The amount needed is dependent on the size of your plants and the thoroughness of application. Monitor to avoid overfeeding. Customers report reduction of agrichemicals by one third or more. Visit our Web site for field data supporting our claims.

Handling: Foliar Spray is 100% biodegradable, hypoallergenic, non-toxic and carcinogen free. No special disposal, ventilation, first aid or operator protective equipment is required. Store up to two years away from extreme temperatures.

Equipment

For small gardens, where you will only be spraying a few plants, a handy 750 ml spray bottle will be enough for proper treatment. Larger gardens with more plants to spray will require a hand-pumped pressure sprayer available as a 2-liter bottle or in a 5-liter version with a shoulder strap. Foliar Spray users report the added benefit when line and spray plugging ends with all equipment.

Storage and Handling requires no special procedures or equipment. Plant Amendment is non-hazardous, odor free, 100% biodegradable, 9.2 pH, hypoallergenic plant based chemical blend for which personal protective equipment is not required, containers can be reused, no special disposal is required, spills can be washed away with no concern about the environment. It is stored away from temperature extremes for a shelf life of up to three years. Mix by filling container with ½ of water volume needed, add concentrate to the water then complete filling. Jar testing is recommended for use with nutrients.

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Foliar Spray (Outdoor)

Biostimulant

Foliar Spray is a proprietary blend of processed plant extracts that contains no cancer-causing chemicals. It is formulated for row crop, fruit and nut tree, berry, vegetable, flower, and ornamental application. BioWash is a fertilizer booster that reduces the need for and cost of fertilizers. It is an adjuvant that blends easily with most agrichemicals to increase their efficiency. It reduces surface tension improving absorption of moisture and nutrients via both root and foliar application. Growers report increases growth, yield and quality while reducing costs.

Nutrient Enhancer

- Uptake of nutrients and moisture is increased by elevation of the cation exchange capacity (CEC) increasing root size for improved stamina, increased brix, and terpenes.
- Supply of natural growth stimulators. These naturally occurring levels of auxin, gibberellin and cytokinin plant hormones regulate roots, shoots, and bud growth and essential oil production.
- Promotion of the transport of sugars (brix) giving a noticeable improvement in flavor and enhanced smell and taste.
- Helps neutralize acidic soils and reduces calcium carbonate up to 60%.
- Lessen crop damage when temperatures drop down to 27°F.
- BioWash slows ripening and extends freshness by neutralizing ethylene gas after harvest.

Systems Cleanup

Customers report the end to plugged lines and sprays.

Specifications

Form: Liquid

Color: Clear to Opaque

Odor: Faint

pH: Neutral

Freezing point: 28°F

Initial boiling point: >212°F

Flash point: Non-Combustible

Vapor pressure: Same as Water

Vapor density: Heavier Than Air

Specific gravity: 1.001

Water solubility: Complete

Application

BioWash is shipped in the highest possible strength formulated for application at 5-oz./acre in at least 20-gallons of water or agrichemical solution. The exact amount needed per acre depends upon the size of the plants being sprayed. One gallon of application mixture will stimulate between 15 and 25 row-crop acres, averaging 20 acres per gallon. The amount needed for fruit and nut trees varies by tree sizes. Application guidelines are suggested starting points only. The amount needed is dependent on the size of plants and the thoroughness of application. When applying as a foliar spray, the finest mist available is preferred. Apply during dry weather and during cooler hours of the day. Because the increased brix stimulates improved photosynthesis, applying on sunny days is recommended. Avoid foliar application during high heat. A general rule of thumb is to begin spraying plants when they are only six to twelve inches high. Specific applications starting points are as follows:

- Fruits, Berries, Ornamentals and Vegetables: Add 1 oz./4 gal. – avoid blooms.
- Field and Row Crops: Per acre: add 5-7 oz./20-gal. water. Compatible with liquid nutrients, herbicides, and insecticides.
- Flowers and Ornamentals: Test soil pH prior to application. Moonshine® Foliar Spray Concentrate pH averages 10.2 so benefits neutral and higher pH plants. Test application rates between 10z./4-gal. water for hardier plants, and 1 oz./12-gal. for delicate house plants and flowers.
- As Adjuvant and Natural Surfactant: Use Moonshine® at 1 oz./4-gal. of liquid. Test and adjust as needed.
- Improve BRIX and photosynthesis: Apply 1 oz./gal.
- Freeze/Frost Resistance: Add 1 oz./gal. water. Soak entire plant and ground several days prior to frost of freeze. Regular applications work best.
- Reduce Overripening/Spoilage: Add 1 oz./4 gal. to wash water.

Storage and Handling requires no special procedures or equipment. Plant Amendment is non-hazardous, odor free, 100% biodegradable, 9.2 pH, hypoallergenic plant based chemical blend for which personal protective equipment is not required, containers can be reused, no special disposal is required, spills can be washed away with no concern about the environment. It is stored away from temperature extremes for a shelf life of up to three years. Mix by filling container with ½ of water volume needed, add concentrate to the water then complete filling. Jar testing is recommended for use with nutrients.

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SECTION 1 – PRODUCT AND COMPANY INFORMATION

Product

Name: GreenSafe™ Foliar Spray Indoor and Outdoor
Brands: GreenSafe™
Product Family Phytochemicals
Products Use: All growing and cleaning.

Supplier Name

Green-Safe-Solutions LLC
Address: 3070 Orange Grove Trail – Naples – FL 34120
Telephone: Gary Reid - Florida 239.465-1890
Emergency Phone (800) 424-9300 CHEMTREC
Prepared/Revised: 17 Jul. 17

SECTION 2 – HAZARD IDENTIFICATION

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified or not covered by GHS

HMIS Rating: Health hazard: 0 Chronic Health Hazard:
Flammability: 0 Physical Hazard 0
NFPA Rating: Health hazard: 0 Fire Hazard: 0 Reactivity
Hazard: 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

Description of first aid measures

General advice: Show this SDS to first responders and physicians. **Product is not hazardous.**

In case of eye contact: Immediately flush with large amounts of cool water. Remove contact lenses, if worn, while rinsing. If eye irritation occurs and persists, get medical advice/attention.

In case of skin (or hair) contact: Immediately wash contaminated skin with large amounts of soap and water. If skin irritation or a rash occurs: Get medical advice/attention.

If inhaled: Remove the person from exposure to fresh air and keep comfortable for breathing. Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped. If experiencing respiratory symptoms call a POISON CENTER/doctor.

If swallowed: Rinse mouth. Do not induce vomiting due to inhalation risk. Seek immediate medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5 – FIREFIGHTING MEASURES

Extinguishing Media: Substance is not combustible.

Suitable Extinguishing Media: Not Applicable.

Unsuitable Extinguishing Media: Not Applicable.

Special hazards arising from the substance or mixture: None known.

Advice for firefighters: Product is not combustible. Advice applies to surrounding materials that may be combustible. Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information: If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Product is not hazardous. However, it is always advisable to be cautious handling any chemical. Avoid breathing mist/spray.

Environmental precautions: Prevent further leakage or spillage. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground. Product is not a pollutant requiring notification of spills.

Methods and materials for containment and cleaning up: Contain spilled material if possible. Product is not hazardous so no special disposal measures are required. Small spills: Absorb liquids in vermiculite, dry sand, earth, or a similar material. Vacuum dry chemicals to avoid creating dust. Never return spills to original containers for re-use. Use water spray to disperse vapors.

Large spills: Dike to contain liquids then recover with a wet vacuum.

Reference to other sections-resources: For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

SECTION 7 – HANDLING AND STORAGE

Precautions for safe handling: Product is not hazardous. However, it is always advisable to be cautious handling any chemical. Avoid breathing mist/spray. If exposed and you feel unwell, contact a physician.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Avoid temperature extremes. Containers which are opened should be carefully resealed and kept upright to prevent leakage.

Specific end use: See Section 1.

SECTION 8 – EXPOSURE CONTROL AND PERSONAL PROTECTION

Control parameters: Under normal conditions of use, no special precautions or control measures are required. Guidelines may not apply to every situation. Industrial hygiene evaluations should be completed at each workplace. Exposure limits are for air levels only.

Component Workplace Exposure Limits: No OSHA – NIOSH – ACGIH exposure limits.

Exposure controls: Appropriate engineering controls: Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. Wear protective work clothing.

Personal protective equipment: Safety glasses and chemical resistant gloves are not required for this product but are recommended whenever chemicals are handled. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.

Eye/face protection: Safety glasses are not required but are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: protective gloves/protective clothing. Wash and dry hands after use.

Respiratory protection: Not normally required. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure: Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with regulations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Form: Liquid

Color: Clear to Opaque

Odor: Faint

Odor Threshold: Not Determined

pH: 9.2

Melting point/freezing point: Not Determined / 28°F

Initial boiling point/boiling range: >212°F / ND

Flash point: Non-Combustible

Evaporation rate: Not Determined

Flammability: Not Applicable

Other safety information VOC: NA

Physical Data is typical values based on material tested but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: Avoid excessive heat or cold.

Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Does not decompose under normal conditions.

Other decomposition products: None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Component toxicity: Not toxic.

Mixture toxicity: Inhalation – Dermal – Skin corrosion/irritation – Eye damage/eye irritation – Respiratory/skin sensitization – Germ cell mutagenicity – Reproductive toxicity - Specific target organ toxicity - single exposure - Specific target organ toxicity - repeated exposure - Aspiration hazard: **All not applicable.** - Carcinogenicity: **Not a carcinogen.** No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information: None known.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity

Component ecotoxicity: None known.

Mixture ecotoxicity: Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: **Not toxic.**

Other adverse effects: None known.

SECTION 13 – DISPOSAL CONSIDERATION

Waste treatment methods: See Section 15 for ingredients listed under current RCRA regulations (40 CFR 261.31, 32 and 33), Comprehensive Environmental Response, Compensation (CERCLA) Table 302.4, 40 CFR part 302, and SARA TITLE III: (Superfund Amendments and Reauthorization Act) Sections 301-313.

Product: Not special procedures required to dispose of this material.

Contaminated packaging: Empty containers should be disposed of responsibly. No special procedures are required.

Upper/lower flammability or explosive limits: NA

Vapor pressure: Same as Water

Vapor density: Heavier Than Air

Relative density: Not Determined

Specific gravity: 1.001

Water solubility: Complete

Partition coefficient: n-octanol/water: ND

Auto-ignition temperature: Not Determined

Decomposition temperature: Not Determined

Viscosity: Not Determined

Explosive properties: Not Applicable

Oxidizing properties: Not Determined

SECTION 14 – TRANSPORT INFORMATION

DOT: Not Regulated – **IATA:** Not Regulated – **IMDG:** Not Regulated

SECTION 15 – REGULATORY INFORMATION

Federal

TSCA: Components of this product are listed on the TSCA Inventory.

RCRA: None of the ingredients are currently listed as a substance or a source waste under current RCRA regulations (40 CFR 261.31, 32 and 33).

CERCLA: Product is not found on Table 302.4, 40 CFR part 302.

SARA TITLE III: (Superfund Amendments and Reauthorization Act)

Section 301-303 Components (Emergency Planning): No EHS/TPQ components.

Section 304 Components (Emergency Release Notification): No components with release minimum RQ.

Section 311/312 Hazards: None

Section 313 Components: None that exceed the threshold (De Minimis) reporting levels established by Section 313.

States

State Right to Know Components: None

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Canada

DSL: This product, or its components, are listed on or are exempt from the Canadian Domestic Substances List.

WHMIS: Uncontrolled product according to classification criteria.

SECTION 16 – OTHER INFORMATION

Disclaimer: The information contained herein is offered only as a guide to the handling of these specific products. Since such information does not relate to use of these products with any other products or in processes, any person using this information must determine for himself its suitability for any application. The buyer and user assume all risk and liability of use, storage and/or handling of these products not in accordance with the terms of the product labels. Manufacturer makes no Warranties of any kind, express or implied with respect to this product. Green Safe Solutions, LLC obligations are limited to replacement of product for defective material only. Manufacturer shall not be liable for any injury, loss or damage directly or consequently arising from the misuse or inability to use the product.

Prepared for: Green-Safe Solutions, LLC
By: Mg-Help, LLC