

## SOIL AMENDMENT

SA loosens clogged soils and restores them to productivity.

SA is an all-natural blend of processed plant and oil seed extracts designed for soil remediation. Rescue is needed when yield and quality are diminishing. SA improves the absorption of nutrients and chelates contaminants to help loosen clogged soils and restore them to productivity.



SA is a concentrated liquid enhancer for plant nutrition programs. It simply dramatically enhances nutrition, minerals, and moisture uptake by the plant, which means the plant may need less fertilizer than in the past to do its job. The reduction of fertilizer use means savings, less chemical runoff into water sources and reduced exposure to the health hazards of those products. SA is compatible for mixing with all agrichemicals to increase their efficiency. It reduces surface tension and improves solubility improving absorption of moisture and nutrients via plant application. It is a fast-acting and highly effective form of supplementing plant fertilization especially for enhancing the supply of secondary nutrients. SA increases growth yield and quality while reducing costs. Crop frost damage is reduced. Spraying cut flowers, fruit and vegetables after harvest extends shelf life. Spray systems are cleaned and kept clean.



Dr. Jones, PhD says. "SA provides the ability to grow food with less fertilizer, less insecticides, and less herbicides. SA can reduce the amount and cost of synthetic chemicals. SA™ can help recover previously fertile but contaminated croplands. SA maximizes use of available nutrients and water while extending growing seasons in hot and cold climates. Extended seasons permit time for additional crops."

Adding one (1) ounce of SA per four gallons of liquid nutrients permits immediate absorption of the nutrients. It works with natural and synthetic, liquid, or dry fertilizers."

### Benefits

#### Rejuvenate

- ⊙ Loosen Clogged Soils
- ⊙ Release Nutrients

#### Replenishment

- ⊙ Enhance Nutrient Uptake
- ⊙ Stimulant Growth and Yield

#### Protect

- ⊙ Drought Resistance
- ⊙ Freeze and Frost Damage

### Application

#### Soil Application

Apply to soil at 7-oz./acre in at least 20-gallons of water or agrichemicals prior to final disc cultivation and to no till planting or in irrigation systems.

- o Rescue - Acidic Soils Neutralized 1-oz./5-gal. - repeat if needed
- o Adjuvant - 1-oz./gal. agrichemicals
- o BRIX Increase 20-50% - Apply to top and bottom of leaves - 2-to-4-week intervals
- o Drought Defense - Field and Row - 6-oz/acre with 20-gal. water
- o Reduces surface tension permitting improved absorption of moisture and nutrients via root, basal and foliar applications.

#### Plant Application

- o Fruits - Berries - Vegetables 1-oz per 4-gal. Field - Forage - Row 4-6 oz./acre with 20-gal. water - apply foliar, basal, to roots - directly, irrigation water, mixed with agrichemicals. Flowers - Ornamentals - Product pH 10.2 - Favors neutral and higher pH flowers - 1-oz./gal for hardier plants to 1-oz. 12-gal. on delicate flowers. Trees and Shrubs Restored - Drench trunks and leaves weekly.



- o Tropical Fruit - Drench plant and roots twice monthly 1-oz./4-gal. water
- o Freeze - Frost - Reduce frost damage down to 27°F. Soak entire plant and ground with 1-oz./2-gal. in water 2-7 days prior to prediction - application will also improve yields.
- o Freshness Extended when SA neutralizes ethylene gas to slow post-harvest ripening.

Minnesota - Grower reports he has seen no signs of greenhouse pests since beginning use of SA in his irrigation water. SA will not alter E.C, is pH stable and can be used with any manufacturer's nutrient program. He applies it at a rate of 1-ml per liter (4-ml (1/8th Teaspoon)/gal.) of irrigation/nutrient solution. For example, he begins his hemp growing cycle with cuttings from successful strains. He reports Soil Amendment reduces the time until these cuttings are ready for potting from four to three weeks. This is important because it takes him 20-days in the greenhouse to have seedlings ready for transplanting. He says the efficiency of this greenhouse phase is what will decide how many of his allocated eighty acres he will be able to plant with hemp for his short outdoor growing season. Once planted, he knows applications of SA™ 100 at 5 oz. per acre were key to his healthy outdoor plants. He finished his season with forty liters CBD oil ready to sell in his farm store.



Texas - A Texas farmer bought SA for his 180 acres of alfalfa. His alfalfa was in such poor condition, he was considering plowing it under. He applied 5 oz. per acre with fifteen gallons of water. He reported the best and most improved alfalfa crop he had ever had, especially since he had considered plowing it under. He applied three additional sprays at seven-day intervals, beginning seven days after the first cutting. He

also applied his micro-nutrient/macro-nutrient at the rate of sixteen ounces per acre. Don conducted his fourth cutting saying it was much better than normal. He baled an additional 460 bales. He found no worms or insects in the alfalfa. The fourth cutting was all unexpected profit. Don credits SA™ with saving his farm showing why Green Safe Solution products are an investment, not a cost.

#### Handling

SA is 100% biodegradable, non-toxic, carcinogen free. No special disposal, ventilation, first aid or operator protective equipment is required. Store away from extreme temperatures. Shelf life is up to 3-years.

#### Grow With Us

Resolve today to eliminate hazardous chemicals from growing. Our unique system is unmatched in its effect on greenhouse, warehouse and outdoor grows.

#### Contact Us

[www.GreenSafeWorldwide.com](http://www.GreenSafeWorldwide.com)

# Safety Data Sheet

## GreenSafe™ Soil Amendment

### SECTION 1 – PRODUCT AND COMPANY INFORMATION

#### Product

Name: GreenSafe™ Soil Amendment  
Brand: GreenSafe™  
Product Family: Phytochemical Blend  
Products Use: All Home – Personal Care – Work Cleaning  
Supplier Name  
Green-Safe-Solutions LLC  
Address: 3070 Orange Grove Trail – Naples – FL 34120  
Telephone: Gary Reid - Florida XX-1-239-465-1890  
Emergency Phone (800) 424-9300 CHEMTREC

### 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. The following is provided for planning purposes only. GreenSafe™ products may contain some, or all, of the following processed extracts and ingredients with their CAS Numbers: Organic alcohol (97-99-4) - Alky Oligo glucopyranoside (110615-47-9) - Alkyl Poly Glycoside (141464-42-8) - Cedar oil (8000-27-9) - Cinnamon oil (8007-80-5) - Citronella oil (8000-29-1) - Corn oil (8001-30-7) - Copolyglucoside Citrate (151911-51-2) - Disodium EDTA (Kosher) (6381-92-6) - Extracts of Garlic (8008-99-9) - Geranium oil (8000-46-2) - Jajoba oil (61789-91-1) - Karanja oil (484-33-3) - Processed Kelp extract (92128-82-0) - Lemongrass oil (8007-02-1) - Lilly extract (84696-27-5) - Mint oil (68917-18-0) - Peppermint oil (8006-90-4) - Processed Neem oil (8002-65-1) - Soybean oil (8001-22-7) - Sodium Coco Poly Glucoside sulfosuccinate - (151911-53-4) Ethyl Lactate (97-64-3) - Dextrans acid (526-95-4) - Diammonium salts (020824-56-0) - Gluconic Acid (526-95-4) - Sapodilla (8051-02-3) - Processed extracts of sugar cane (57-50-1) - Tall Oil Fatty Acids (61790-12-3) - Purified water (7732-18-5).

### 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

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.

#### 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.

Brazil

Document complies with the Brazilian Association of Technical Standards (ABNT) national regulatory standard on classification and labelling (NBR 14725-2:2009)

#### 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.

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