

Safety Data Sheet

Greencare 12-1-1

SECTION 1: IDENTIFICATION

Product Identifier	Greencare 12-1-1
Other Means of Identification	12-1-1
Recommended Use	Water Soluble Fertilizer for Plants
Restrictions on Use	Not applicable
Manufacturer/Supplier Identifier	Greencare, Inc. 2607 Eastgate Pkwy., Kankakee, IL 60901
Emergency Phone No.	Chem-Trec 1-800-424-9300
Date of Preparation	January 12, 2018

SECTION 2: HAZARD IDENTIFICATION

Label Elements



WARNING:

MAY BE HARMFUL IF SWALLOWED

MAY CAUSE MILD SKIN IRRITATION

MAY CAUSE EYE IRRITATION

MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:

Acute toxicity	Low
Skin irritation	Mild skin irritation possible
Eye irritation	Severe eye irritation possible
Target Organ Systemic Toxicity	Transient respiratory irritation possible

Precautionary Statement(s):

Prevention:

Keep away from heat.

Call a poison center / physician if unwell

If skin irritation occurs, get medical advice

If in eyes, rinse cautiously with water for several minutes – remove contact lenses

If eye irritation persists, get medical advice

Wash hands after handling

Use only outdoors or in well-ventilated areas

Avoid breathing mist/spray

If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing

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Store container tightly closed

Disposal

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.
Boric Acid	10043-35-3
Calcium Nitrate	10124-37-5
Copper Sulfate	7758-99-8
Iron EDTA	15137-09-4
Magnesium Nitrate	13446-18-9
Manganese Sulfate	7785-87-7
Potassium Phosphate	7778-77-0
Sodium Molybdate	10102-40-6
Zinc Sulfate	7446-19-7

SECTION 4: FIRST-AID MEASURES

Inhalation

Move to fresh air. If breathing has stopped, trained personnel should begin rescue breathing. Call a poison center or doctor. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by poison center or doctor.

Skin Contact

Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. Remove contaminated clothing, shoes, leather goods (e.g. watchbands, belts). Get medical advice or attention if you feel unwell or are concerned.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. If eye irritation persists, get medical advice or attention.

Ingestion

For large amounts immediately call a poison center or doctor. Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use flooding quantities of water or other suitable extinguishing agent.

Unsuitable Extinguishing Media

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DO NOT use water jet.

Specific Hazards Arising from the Product

Does not burn.

Special Protective Equipment and Precautions for Fire-fighters

Wear SCBA and full protective clothing. Prevent contact with flammable and combustible materials. 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

Remove or isolate incompatible materials as well as other hazardous materials.

Environmental Precautions

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

Methods and Materials for Containment and Cleaning Up

Contain the spill. Avoid contact with combustibles, organics and ignition sources. Sweep up spilled material and dispose of in approved manner.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Prevent accidental contact with acids, alkalis, reducing agents and combustibles. Prevent skin contact.

Conditions for Safe Storage

Store in an area that is cool, dry, and well-ventilated. Keep out of reach of children. Store in a closed container. Keep separate from acids, alkalis, reducing agents and combustibles.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Provide eyewash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

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

Respiratory Protection

Use an appropriate respirator or dust mask.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance

Crystals intermixed with granules and powder.

Particle Size:

Not available

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Odor	Slight ammonia odor
Odor Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting)
Initial Boiling Point/Range	Not available
Flammability (solid, gas)	Will not burn
Relative Density (water = 1)	Not available
Other Information	
Physical State	Solid
Molecular Weight	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Conditions of Avoid

Water, moisture or humidity, open flames, static discharge, heat.

Incompatible Materials

Strong acids, strong alkaloids, oxidizers, organics, reducing agents.

Hazardous Decomposition Products

Under fire – ammonia. Oxides of nitrogen, phosphorus, calcium, magnesium, sulfates.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation

Irritation could occur with prolonged exposure to dry fertilizer or fertilizer solution

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 vapor activity. May lead to respiratory irritation.

Skin Absorption

Not absorbed through skin

Ingestion

Excessive ingestion must occur before any health hazard results. Effects of over-exposure may include nausea, vomiting, diarrhea, weakness or convulsions.

Carcinogenicity

Not known to cause cancer. Nitrotriacetic 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.

Key to Abbreviations:

IARC – International Agency for Research on Cancer. NTP = National Toxicology Program. OSHA = US Occupational Safety and Health Administration

Reproductive Toxicity

Development of Offspring

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

SECTION 12: ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA.

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 US DOT regulations. Not regulated under Canadian TDG regulations.

Special precautions for user:

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

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL.

SECTION 16: OTHER INFORMATION

SDS Prepared by	Greencare Technical Department
Phone No.	1-815-936-0096
Date of Preparation	January 12, 2018
Disclaimer	To the best of our knowledge, the information contained herein is accurate.