

Material Safety Data Sheet

Seed Up™

1. MANUFACTURER AND PRODUCT IDENTIFICATION:

Flagship India, Kolkata, West Bengal, India

Manufacturer's Cage Code: FSI-SUG-1

Supplier's Name: Terawet Green Technologies, Inc.
Supplier's Address: 3351 Kearny Villa Lane
Supplier's Telephone No: 619-516-0130
E-mail: jpabt@terawet.com

Product Name: Seed Up

Product Description:

All natural, Seed coating gel containing a biopolymer that helps in instilling better stored nutrients and beneficial micro-flora, free from synthetic chemicals

Recommended Use: Agricultural product as seed treatment free from Chemicals

NFPA Hazard Ratings:0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

Health=1	Fire= 0	Reactivity=1
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2. COMPOSITION INFORMATION

Active Ingredients

Name	CAS	% ge by weight
<i>Azotobacter chroococum</i>	NA	1 X 10 ⁷ CFU / gram
<i>Bacillus megaterium</i>	NA	1 X 10 ⁷ CFU / gram
<i>Frateuria aurantia</i>	NA	1 X 10 ⁷ CFU / gram
<i>Bacillus subtilis</i>	NA	1 X 10 ⁷ CFU / gram
<i>Glomus mosseae</i>	NA	1 x 10 ² CFU / gram
Bio Polymer	NA	0.4%

Inactive Ingredients

Aqua	CAS No	Percent	Hazardous Nature
	7732-18-5	97.6	None

Actives:

Non GMO, Naturally occurring, GRAS, Beneficial Microorganisms as given above	NA	2	Not found
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Minimum count of all the beneficial microbes in this product: 5 x 10⁷ cells/spores per gm

3. HAZARDS IDENTIFICATION

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

Rated on the 1 to 10 scale as:

Health rating:	1 – slight
Flammability rating:	0 – Minimal
Reactivity rating:	1 – slight
Contact rating:	1 – slight

Lab protective equipment's: Goggles, Lab Coat
Storage color code: Orange (General Storage)

Potential Health Effect

Inhalation: No adverse health effect expected from inhalation
Ingestion: No adverse health effect expected from inhalation
Skin contact: No adverse health effect expected
Eye contact: No adverse health effect expected
Chronic exposure: No information found
Aggravation of pre-existing condition: No information found

4. FIRST AID MEASURES

Inhalation: Not expected to require first aid measures. Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion: If large volumes were swallowed, give water to drink, and get medical advice.

Skin contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye contact: Wash thoroughly with running water. Get medical advice if irritation develops.

5. FIRE FIGHTING MEASURES

Fire: As the most organic solids, fire is possible at elevated temperature or by contact with an ignition source

Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Fire Extinguishing Media: Water spray, dry chemical, appropriate foam, or carbon dioxide.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition.

Ventilate area of leak or spill.

Wear appropriate personal protective equipment as specified in Section 8.

Spills:

Clean up spills in a manner that does not disperse dust into the air.

Use non-sparking tools and equipment.

Reduce airborne dust and prevent scattering by moistening with water.

Pick up spill for recovery or disposal and place in a closed container.

7. HANDLING AND STORAGE

Keep in a tightly closed container, stored in a cool, dry, ventilated area.

Protect against physical damage.

Isolate from incompatible substances.

Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: None established.

Ventilation System: Not expected to require any special ventilation.

Personal Respirators (NIOSH Approved): Not expected to require personal respirator usage.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description: Light Beigey pinkish Gel

Odor: Characteristic odor

Solubility: Highly Soluble in Water

% Moisture at Room Temp: 97.6%

% Sulphated ash (Max):	0.1
Chlorides:	Not more than 125 ppm
Arsenic:	Not more than 1 ppm
Heavymetal:	Not more than 5 ppm
Sulphates:	Not more than 200 ppm
pH (0.5 M Aque. Solution):	5.50 - 5.8

10. STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Steam may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Antibiotics, Antiseptics, Antifungals, Disinfectants, Biocides

Conditions to Avoid: Heat, moisture, ignition and incompatibles.

11. TOXICOLOGICAL INFORMATION

Acute effects

- May be harmful by inhalation, ingestion, or skin absorption.
- May cause irritation.

12. ECOLOGICAL INFORMATION

Environmental Fate: No information found.

Environmental Toxicity: No information found.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

Processing, use or contamination of this product may change the waste management options.

State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

No special information is available.

16. OTHER INFORMATION

Flagship India provides the information contained herein in good faith, in compliance with the Occupational Safety and Health Act of 1970, but makes no representation as to its comprehensiveness or accuracy.

This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

Flagship India warrants that this product is of merchantable quality.

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