

**SAFETY DATA SHEET**

Product Name: Satugran granular wetting agent

Revision number: 002 (First version) Dated: 12/05/21

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1 Product Identifier:**

Product Name: Greenbest SATUGRAN Granular 1-2mm wetting agent

Relevant Identified Uses: Horticultural fertiliser

**1.2 Details of the Supplier of SDS:**

GreenBest Ltd, Unit 2 The Marsh, Henstridge, Somerset, BA8 0TF

TEL: +44 (0) 1963 364788 Fax: +44 (0) 1963 364789

[info@greenbest.co.uk](mailto:info@greenbest.co.uk)**1.3 Emergency Telephone Number:**

+44 (0) 1963 364788 – Normal hours are 07:30-16:30 Mon-Fri.

+44 (0) 7779 987041 – Out of normal hours only.

**SECTION 2. HAZARDS IDENTIFICATION****2.1 Classification of the substance of mixture according to Regulation (EC) No.1272/2008:****Physical hazards:** None**Health hazards:** None**Environmental hazards:** None**2.2 Label elements:**

Pictogram:

Signal word: None

Hazard statements:

| H code | Statement                            |
|--------|--------------------------------------|
|        | No H codes relevant for this product |

Precautionary statements:

| P code         | Statement  |
|----------------|--|
| P280           | Wear protective gloves/clothing/eye protection/face protection   |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so |
| P501           | Dispose of contents/container according to   |

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|  |  |
|--|--|
|  | local and national provisions for hazardous waste. |
|--|--|

Supplementary precautionary statements:

| Code | Statement                                      |
|------|--|
| P261 | Do not breathe dust                            |
| P262 | Do not get in eyes, on skin or on clothing     |
| P271 | Use only outdoors or in a well ventilated area |

**2.3 Other hazards:**

This product is not classified as PBT or vPvB according to current EU criteria.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS.**

| Substance   | CAS Number | EC Number | REACH Registration Number | Classification according to Regulation (EC) No 1278/2008 (CLP) |
|---|------------|-----------|---------------------------|--|
| All other ingredients do not require classification according to Regulation (EC) No 1278/2008 (CLP) |            |           |                           |  |

**SECTION 4. FIRST AID MEASURES****4.1 Description of first aid measures:**

**4.1.1 Inhalation:** Move affected person to fresh air immediately. Keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

**4.1.2 Skin Contact:** Rinse with plenty of water. Remove contaminated clothing and wash thoroughly with detergent before re-use. If irritation persists or worsens seek medical attention.

**4.1.3 Eye Contact:** Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention.

**4.1.4 Ingestion:** Wash out mouth with water. Do not induce vomiting. If patient is conscious, give water to drink. Seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed:**

**4.2.1 Inhalation:** High inhalation exposures can exert mechanical irritations of the mucosa of the respiratory tract.

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**4.2.2 Skin contact:** Skin irritant. Contact may cause redness, itching, burning and skin damage.

**4.2.3 Eye contact:** Eye irritant. Contact may cause stinging, watering, redness and swelling.

**4.2.4 Ingestion:** Low toxicity. Unlikely to cause a problem.

### 4.3 Indication of any immediate medical attention and special treatment needed:

General information: None under normal use

## SECTION 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media:

Use CO<sub>2</sub> or water spray. Do not smother with foam or sand.

### 5.2 Special hazards arising from the substance or mixture:

May give off fumes if heated to decomposition. Do not breathe fumes.

### 5.3 Advice for firefighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Use water spray to cool unopened containers, Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures:

Provide adequate ventilation. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

### 6.2 Environmental precautions:

Avoid pollution of sewers and watercourses. May release ammonium ions that are toxic to fish. Release to watercourses may cause effects downstream

### 6.3 Methods and material for containment and cleaning up:

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Contain and sweep up spillages. Place unusable material in clearly labelled containers or plastic bags for disposal. Wet residues are slippery, wash floors to remove all traces.

### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

Avoid spilling. Avoid contact with skin and eyes. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Avoid inhalation of dust. Wash hands thoroughly after handling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Keep dry. Packs should be stored closed to avoid moisture ingress. Avoid prolonged contact with metals. Do not use food containers for storage due to risk of mistake.

Conditions of collocated storage:

Storage class 10 - 13 (Other liquids and solids)

Only substances of the same storage class should be stored together.

Collocated storage with the following substances is prohibited:

- Pharmaceuticals, foods, and animal feeds including additives.
- Infectious, radioactive and explosive substances.
- Strongly oxidizing substances of storage class 5.1A.



**7.3 Specific end uses:** For use only as a horticultural fertiliser.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

N/A

#### 8.2 Exposure Controls:


|   |   |
|---|---|
| Protective equipment<br> | Dust mask with minimum protection factor of 10 with HSE type approval |
|                          | Nitrile gloves may be worn for personal hygiene purposes              |
|   | Wear coverall and rubber boots when dealing with bulk spillages       |
|   | Face shield (BS2092G1) if handling dust                               |

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| <p>Appropriate Engineering controls</p>   | <p>Provide adequate ventilation<br/>Avoid inhalation of dust<br/>Observe any occupational exposure limits for the product<br/>Mechanical ventilation or local exhaust ventilation may be required</p>   |
| <p>Eye/face protection</p>  | <p>Wear tight-fitting chemical splash goggles or face shield<br/>Personal protective equipment for eye and face protection should comply with European Standard EN166</p>   |
| <p>Hand protection</p>  | <p>Chemical resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.</p>                       |
| <p>Other skin and body protection</p>   | <p>Provide eyewash station and safety shower. Wear appropriate clothing to prevent skin contact</p>   |
| <p>Hygiene measures</p>   | <p>Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke</p>   |
| <p>Respiratory protection</p>   | <p>Respiratory protection must be used if the airborne contamination exceeds the recommended exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Particulate filter, type P2. Particulate filters should comply with European Standard EN143. Disposable filtering half-mask respirators should comply with European Standard EN149 or EN405</p> |

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |  |
|----------------------------|--|
| Physical state             | Granular solid (mini 1-2mm/grad 2-3mm) |
| Colour                     | Grey/brown                             |
| Odour                      | Product specific-Low odour             |
| Odour threshold            | Not determined                         |
| pH value                   | N/A                                    |
| Initial melting point (°C) | N/A                                    |

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|   |                              |
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| Initial boiling point and boiling range(°C)   | N/A                          |
| Flash point                                   | N/A                          |
| Flammability(solid)                           | Product is non-flammable     |
| Ignition temperature(°C)                      | N/A                          |
| Decomposition temperature(°C)                 | N/A                          |
| Self-flammability(°C)                         | Product is not self-igniting |
| Danger of explosion(°C)                       | N/A                          |
| Vapour pressure                               | N/A                          |
| Bulk density                                  | N/A                          |
| Vapour density                                | N/A                          |
| Evaporation rate                              | N/A                          |
| Solubility in/miscibility with water at 20 °C | N/A                          |
| Partition coefficient(n-octanol/water)        | N/A                          |
| Viscosity dynamic at 20 °C                    | N/A                          |

### SECTION 10. STABILITY AND REACTIVITY

#### 10.1 Reactivity:

Stable product under recommended storage and handling conditions.

#### 10.2 Chemical stability:

Stable product under recommended storage and handling conditions.

#### 10.3 Possible hazardous reactions:

Stable under recommended storage and handling conditions.

#### 10.4 Conditions to avoid:

Water. Moisture

#### 10.5 Incompatible materials:

Strong acids.  
Strong oxidising agents.  
Powdered metal.  
Inorganic peroxides.

#### 10.6 Hazardous decomposition products:

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None known

**SECTION 11. TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects:**

|                                   |   |
|-----------------------------------|---|
| Acute toxicity                    | Based on available data the classification criteria are not met           |
| Skin corrosion/irritation         | Based on available data the classification criteria are not met           |
| Serious eye damage/irritation     | Based on available data the classification criteria are not met           |
| Respiratory or skin sensitisation | Based on available data the classification criteria are not met           |
| Germ cell mutagenicity            | Based on available data the classification criteria are not met           |
| Carcinogenicity                   | Based on available data the classification criteria are not met           |
| Reproductive toxicity             | Based on available data the classification criteria are not met           |
| STOT-single exposure              | Based on available data the classification criteria are not met           |
| STOT-repeated exposure            | Based on available data the classification criteria are not met           |
| Aspiration hazard                 | Not applicable  |
| Inhalation                        | Prolonged inhalation of high concentrations may damage respiratory system |
| Ingestion                         | May cause discomfort if swallowed   |
| Likely routes of exposure         | Contact with skin and eyes. Inhalation of dust                            |

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity:**

Low hazard to waters. Inform the responsible authorities when very large quantities get into water, drainage or sewer.

**12.2 Persistence and degradability:**

Product is biodegradable.

**12.3 Bioaccumulative potential:**

Product does not bioaccumulate.

**12.4 Mobility in soil:**

Not determined

**12.5 Results of PBT and vPvB assessment:**

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Does not fulfil the criteria for classification as PBT or vPvB.

### 12.6 Other adverse effects:

None known.

## SECTION 13. DISPOSAL CONSIDERATION

- Product:** Non-hazardous waste.  
If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.
- Packaging:** Non-hazardous waste.  
If there is no way of recycling it must be disposed of in compliance with the respective national and local regulations.

## SECTION 14. TRANSPORT INFORMATION

### General information:

This product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

### 14.1 UN Number:

N/A

### 14.2 UN proper shipping name:

N/A

### 14.3 Transport hazard class(es):

No transport warning sign required.

### 14.4 Packing group:

N/A

### 14.5 Environmental hazards:

None

### 14.6 Special precaution for user:

N/A

### 14.7 Transport in bulk according to Annex II MARPOL 73/78 and the IBC code:

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N/A

**SECTION 15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance: Workplace Exposure Limits EH40.

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance by the supplier.

**SECTION 16. OTHER INFORMATION****Key literature references and sources for data:**

[http://gestis.itrust.de/nxt/gateway.dll/gestis\\_en/000000.xml?f=templates&fn=default.htm&vid=gestiseng:sdbeng](http://gestis.itrust.de/nxt/gateway.dll/gestis_en/000000.xml?f=templates&fn=default.htm&vid=gestiseng:sdbeng)

<https://echa.europa.eu/>

<http://www.chcs.org.uk/>

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