

**Section 1. Identification of the Substance /Mixture and the Company/ Undertaking****1.1. Product identifier**

**Product Name:** STP Solupak  
**Product Code:** GNC200

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Biological product plus nutrients to seed and maintain marine sanitation devices and sewage treatment plants on ships and off-shore facilities

**1.3. Details of the supplier of the safety data sheet**

**Company name:** GNC Marine Ltd  
Unit 11  
Empire Business Park  
Parcel Terrace  
Derby  
DE1 1LY  
United Kingdom

**Tel:** +44 (0)1283 221297

**Email:** [enquiries@gncmarine.com](mailto:enquiries@gncmarine.com)

**1.4. Emergency telephone number**

**Emergency tel:** +44 (0)7740 422035

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**Section 2. Hazards Identified****2.1. Classification of the substance or mixture**

This material is not classified as hazardous according to Regulation 1272/2008/EC as amended on classification, labelling and packaging of substances and mixtures.

**2.2. Label elements**

No Hazard Pictograms, Signal words, Hazard statements or Precautionary statements required.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance

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**Section 3. Composition / Information on Ingredients****3.1. Substances**

Not applicable, material is a mixture

**3.2. Mixtures**

No hazardous ingredients declared according to Regulation (EC) No 1272/2008

Main constituent	Formula	CAS Number	EC Number	Wt. Percent
Sodium Bicarbonate	NaHCO <sub>3</sub>	144-55-8	205-633-8	>40%

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## Section 4. First Aid Measures

### 4.1. Description of first aid measures

<b>Eye Contact</b>	Rinse immediately with water holding the eyelids open.
<b>Skin Contact</b>	Wash off with soap and water. No need for first aid is anticipated.
<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Ingestion</b>	Rinse mouth thoroughly. No need for first aid is anticipated. Seek medical attention if any symptoms persist.

### 4.2. Most important symptoms and effects, both acute and delayed

May cause mechanical irritation of the eye. Repeated inhalation of large amounts of respirable dust may irritate lungs and airways.

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

No special treatment required

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## Section 5. Fire Fighting Measures

- 5.1. Extinguishing media** Product is a powder and is not flammable nor combustible. Use extinguishing media appropriate to the surrounding fire conditions
- 5.2. Special hazards arising from the substance or mixture**  
Product is a powder that is not expected to burn or create special hazards
- 5.3. Advice for firefighters** No special precautions required
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## Section 6. Accidental Release Measures

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

No special protective clothing required.

### 6.2. Environmental precautions

Do not allow large amounts (i.e. more than 20 kg) of product to enter drains undiluted (it may cause temporary physical blockages). Do not allow spillages to enter an open water course or surface water. Prevent further spillage if safe.

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

Small spillages (<20 kg) can be washed to drain with water (but not to one that leads to an open water course or surface water). For larger spillages, sweep up and transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water

### 6.4. Reference to other sections

See sections 8 and 13 for additional information

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## Section 7. Handling and Storage

### 7.1. Precautions for safe handling

Wash thoroughly after handling. Adopt best Manual Handling considerations when handling, carrying and dispensing.

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

Keep in a cool dry, well-ventilated area. Keep containers tightly closed. Store in correctly labelled containers

### 7.3. Specific end use(s)

No exposure scenario currently available

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## Section 8. Exposure controls / Personal Protection

### 8.1. Control parameters

#### 8.1.1 Occupational Exposure Limits

Product is contained in water soluble sachets (sealed article) so the user will not normally be in direct contact. However, should spillage occur good hygiene practice the inert dust Workplace Exposure Limits (WEL) should be adopted:

WEL Recommended Limits:        10mg/m<sup>3</sup> (total dust) (8hr TWA)  
    4mg/m<sup>3</sup> (respirable dust) (8hr TWA)

### 8.2. Exposure controls

<b>Engineering measures</b>	Although WELs exist for ingredients in this product, normal use, i.e. dosing of small quantities of product, is not expected to generate significant dust. However, if use patterns do generate dust, ensure adequate ventilation of the working area
<b>Respiratory protection</b>	If use means that dust is generated, wear suitable half mask respirator with filter P2 (EN143)
<b>Hand protection</b>	No chemical resistance gloves required
<b>Eye protection</b>	None required
<b>Protective equipment</b>	No special protective clothing required.
<b>Environmental measures</b>	Do not allow large amounts of product to enter open water courses or surface water

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## Section 9. Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	White powder
<b>Odour</b>	Slight
<b>pH</b>	7-8 (of 1% solution)
<b>Relative density</b>	1.2
<b>Solubilities</b>	Freely soluble in waterPartially soluble, freely dispersible in water
<b>Decomposition temperature</b>	Starts to decompose above 50°C
<b>Explosive properties</b>	No ingredients with explosive properties
<b>Oxidising properties</b>	No ingredients with oxidising properties

9.2. Other information                None available

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## Section 10. Stability and Reactivity

10.1. Reactivity	No specific hazard
10.2. Chemical stability	Stable under normal conditions
10.3. Possibility of hazardous reactions	No hazardous reaction are expected
10.4. Conditions to avoid	Not determined
10.5. Incompatible materials	None known
10.6. Hazardous decomposition products	None known

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## Section 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The microorganisms in this product are all Group 1 (i.e. considered unlikely to cause human disease) according to EU Directive 2000/54/EC and related legislation.

<b>Skin corrosion/irritation:</b>	Mixture not classified as corrosive to skin or causing skin irritation.
<b>Serious eye damage/irritation:</b>	Mixture not classified as causing serious eye damage or irritation.
<b>Respiratory or skin sensitisation:</b>	Does not contain ingredients classified as respiratory or skin sensitisers.
<b>Germ cell mutagenicity:</b>	Does not contain ingredients that are known germ cell mutagens
<b>Carcinogenicity:</b>	Does not contain ingredients that are known carcinogens
<b>Reproductive toxicity:</b>	Does not contain ingredients that are known reproductive toxicants
<b>STOT single exposure:</b>	Does not contain ingredients that are known to cause single target organ toxicity with single exposure
<b>STOT repeated exposure:</b>	Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure
<b>Aspiration hazard:</b>	Does not contain ingredients that are known to cause aspiration hazards

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## Section 12. Ecological Information

### 12.1. Toxicity

Does not contain ingredients that are toxic or harmful to the aquatic environment, so no classification of mixture is required for acute or chronic effects

### 12.2. Persistence and degradability

Product is predominantly a mixture of an inert inorganic material and a cereal based organic carrier and given the nature of the ingredients and their concentration in the mixture, no issues with persistence or degradability are expected.

### 12.3. Bioaccumulative potential

Given the classification and environmental behavior information on the ingredients and their concentration in the mixture, product is not expected to bioaccumulate

### 12.4. Mobility in soil

Product is partially soluble and freely dispersible in water: not expected to be retained in soil to any significant extent

### 12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

### 12.6. Other adverse effects

None known

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## Section 13. Disposal Considerations

### 13.1. Waste treatment methods

Small quantities of product (up to 20kg on any one occasion) can be disposed of to drain (but not one that leads to an open water course or surface water) with a 10 times dilution with water. Small quantities of product (<20kg) can also be disposed of with normal refuse.

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## Section 14. Transport Information

14.1. UN number	Not regulated
14.2. UN proper shipping name	Not regulated
14.3. Transport hazard class(es)	Not regulated
14.4. Packing group	Not regulated
14.5. Environmental hazards	Not applicable
14.6. Special precautions for user	None required
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

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## Section 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No known regulations or restrictions exist in EU Member states

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

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## Section 16. Additional Information

### Revision

This SDS has been created to comply with the full implementation of the CLP Regulation (EC) No 1272/2008, namely the classification of ingredients and preparations using the new GHS/CLP symbols and phrases and communication of classification, hazards and advice according to the new rules.

### Method used to classify:

Mixture has been classified by reference to information on ingredients

### Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

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