

SAFETY DATA SHEET  
Revision date: 2021/07/09  
Version No: 3  
Regulation (EC) No. 1907/2006

# BioSpikes® 5000

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Name BioSpikes® 5000  
Chemical Name Microbial preparation.  
Unique Formula Identifier (UFI) S7H0-20Q3-K00A-VHEF

1.2. Relevant identified uses of the substance or mixture and uses advised against  
Professional use. For use in wastewater treatment.

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

Novozymes France SAS  
Le Montréal - Parc du Saint Laurent  
54 Route de Sartrouville  
78230 LE PECQ FRANCE  
Tel : +33 (0)1 30 15 28 40  
ordersnzb@novozymes.com

### 1.4. Emergency telephone number

+33 (0)1 30 15 28 40 (work hours)  
UK National Poisons Information Service : 0844 892 0111

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## 2. HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

### 2.1. Classification of the substance or mixture

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

### 2.2 Label elements

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS)

Signal word  
None

May produce an allergic reaction

### 2.3. Other hazards

Skin contact  
Mild skin irritation  
Eye contact  
Mild eye irritation

Effects of overexposure  
See Section 4

Other hazards  
The mixture does not meet the criteria for PBT or vPvB.  
See Section 11 and 12 for additional Toxicological information

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation Preparation

Trade Secret

The product contains no substances which at their given concentration, are considered to be hazardous to health

Regulatory information \*

Full text of H- and EUH-phrases: see section 16

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### 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

Inhalation

First Aid

Remove person to fresh air. If signs/symptoms continue, get medical attention. Show this safety data sheet to the doctor in attendance.

Skin Contact

First Aid

Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

Eye Contact

First Aid

Hold eye open and rinse slowly and gently with water for 15-20 min. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

Ingestion

First Aid

Rinse mouth with water and drink plenty of water. If symptoms persist, call a doctor. Show this safety data sheet to the doctor in attendance.

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

Organisms used are non-pathogenic but can cause infection when in contact with open wounds.

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

Treat symptomatically.

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### 5. FIREFIGHTING MEASURES

#### 5.1. Extinguishing media

Suitable Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable Extinguishing Media

None

Hazardous Combustion Products

None

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

Thermal decomposition can lead to release of irritating gases and vapours

#### 5.3. Advice for firefighters

Self-contained breathing apparatus

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### 6. ACCIDENTAL RELEASE MEASURES

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6.1. Personal precautions, protective equipment and emergency procedures

For personal protection see section 8

6.2. Environmental precautions

Collect spillage

6.3. Methods and material for containment and cleaning up

Avoid formation of dust and aerosols

6.4. Reference to other sections

For personal protection see section 8

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice

The product is formulated using a range of microorganisms known to be non-pathogenic to humans. It is however advised to cover open wounds when in use.

Ensure adequate ventilation

7.2. Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place 0-20°C (32-68°F)

In unbroken packaging - dry and protect from the sun. The product has been formulated for optimal stability. Extended storage or adverse conditions such as higher temperatures or higher humidity may lead to a higher dosage requirement.

7.3. Specific end use(s)

no data available

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

DNEL/DMEL/PNEC

no data available

Derived Minimal Effect Level (DMEL)

Derived No Effect Level (DNEL)

8.2. Exposure controls

Personal Protective Equipment

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment

Hand protection

Protective gloves

Eye Protection

Safety glasses with side-shields

Skin Protection

Wear suitable protective equipment

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9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1. Information on basic physical and chemical properties

Physical state	Solid
Colour	Light brown
Odour	Slight fermentation odor
Density (g/ml)	1
pH - VALUE 1	
Solubility	Miscible

9.2. Other information

Other information	No information available
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10. STABILITY AND REACTIVITY

10.1. Reactivity

Not relevant

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

None under normal processing

10.4. Conditions to avoid

None

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

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11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Inhalation

Inhalation of dust in high concentration may cause irritation of respiratory system

Eye contact

Dust contact with the eyes can lead to mechanical irritation

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12. ECOLOGICAL INFORMATION

12.1. Toxicity

Contains no hazardous ingredients according to GHS

12.2. Persistence and degradability

Inherently biodegradable

12.3. Bioaccumulative potential

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Bioaccumulation is unlikely

12.4. Mobility in soil  
Not relevant

12.5. Results of PBT and vPvB assessment  
The components in this formulation do not meet the criteria for classification as PBT or vPvB

12.6 Other adverse effects

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### 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods  
Dispose of in accordance with local regulations

Waste from residues  
Dispose of wastes in an approved waste disposal facility

Contaminated Packaging  
Dispose of wastes in an approved waste disposal facility

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### 14. TRANSPORT INFORMATION

Transport Regulations  
No dangerous goods according to transport regulations  
Special Precautions  
No special precautions required

14.1	
UN number	Not applicable
14.2	
UN proper shipping name	Not applicable
14.3	
Transport hazard class(es)	Not applicable
14.4	
Packing group	Not applicable
14.5	
Environmental hazards	Not applicable
14.6	
Special precautions for user	Not applicable
14.7	
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

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### 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture  
WGK Classification slightly hazardous to water (WGK 1)

15.2. Chemical safety assessment  
No chemical safety assessment has been carried out

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## 16. OTHER INFORMATION

### Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. 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 process, unless specified in the text. Furthermore, as the conditions of use are beyond the control of Novozymes, it is the responsibility of the customer to determine the conditions of safe use of these products.

### Training advice

Contact Novozymes Customer Support Centre.

End of Safety Data Sheet

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