

SAFETY DATA SHEET

Biosan P Max

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Revision 4
Supersedes: Revision 3 dated 01/06/2015
Issue Date: 03/03/2020

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

- 1.1. Product identifier Biosan P Max
- 1.2. Relevant identified uses of the substance or mixture and uses advised against
Deodorising product for waste bins
- 1.3. Details of the supplier of the safety data sheet

Genesis Biosciences
Unit P1, Capital Business Park
Capital Point, Parkway
Cardiff CF3 2PU
United Kingdom
Tel: +44 (0) 29 2079 1185
info@genesisbiosciences.com

1.4. Emergency telephone number

Telephone +44 (0) 29 2079 1185 (8am-5.30pm GMT Monday to Friday)

Section 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Flammable Solid / Hazard Category 2
Skin and eye Irritant / Hazard Category 2A

GHS Label Elements, including Precautionary Statements
Hazard Pictograms



GHS-02 GHS-07
Signal Word

Warning

Hazard Statements

Flammable Solid
Causes skin and eye irritation

Precautionary Statements – Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.

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Keep away from heat, sparks, open flame, and hot surfaces.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves and eye protection.

Precautionary Statements – Response

See First Aid Measures and Fire-Fighting Measures Sections

Skin

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.

Precautionary Statements – Storage

Store in well ventilated place – Keep cool.

Precautionary Statements – Disposal

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

Hazards not otherwise classified (HNOC)

Not applicable

Other information

The product is packaged in small sachets for individual dosing, so in normal use, significant dust should not be generated, but if it is, provide appropriate exhaust ventilation or wear suitable protective equipment (See Sections 7.1 and 8.1). Although it is unlikely due to the packaging, it may form an explosible dust-air mixture if dispersed.

Prolonged inhalation of respirable dust may cause irritation to the lungs and respiratory system such as coughing and breathlessness.

Interactions with Other Chemicals

No information available

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable, material is a mixture

3.2. Mixtures

HAZARDOUS INGREDIENTS

<u>Name</u>	<u>CAS #</u>	<u>% BY WEIGHT</u>	<u>TRADE SECRET</u>
Isopropanol	67-63-0	>10 %	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

Section 4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact Rinse immediately with water for at least 5 minutes holding the eyelids open.

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Skin Contact Wash off immediately with soap and water. Remove contaminated clothing and wash before reuse.

Inhalation Move the exposed person to fresh air.

Ingestion Rinse mouth thoroughly.

Seek medical attention if any symptoms persist.

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

Causes eye irritation. May cause an allergic skin reaction

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

No special treatment required

Section 5. FIRE FIGHTING MEASURES

5.1. Extinguishing media Use extinguishing media appropriate to the surrounding fire conditions. Although release of large amounts of product is unlikely given the packaging format (individual dose sachets), avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2. Special hazards arising from the substance or mixture

Product is predominantly a non-combustible inorganic material: not expected to create special hazards

5.3. Advice for firefighters Wear full protective clothing and suitable respiratory equipment when necessary

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid raising dust. Ensure adequate ventilation of the working area. If this cannot be provided, wear a respirator as defined in Section 8.2. Wear approved safety glasses or goggles and chemical resistance gloves (PVC, nitrile, neoprene or butyl)

6.2. Environmental precautions

Do not allow significant amounts (>5kg or contents of 1.5 cases of sachets) of product to enter drains, open water courses or surface water. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

See sections 8 and 13 for additional information

Section 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

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Product is packaged in small sachets for individual dosing. Avoid formation of respirable dust. Avoid conditions where a combustible dust air mixture may be generated. Ensure adequate ventilation of the working area if handling large amounts of product. In case of dust production and insufficient ventilation wear suitable respiratory protection equipment: See section 8.2. Wear chemical resistance gloves, approved safety glasses or goggles and avoid contact with eyes and skin. 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

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Other Exposure Guidelines

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

8.2. Exposure controls Engineering measures

Minimise airborne dust formation. Ensure adequate ventilation of the working area to keep airborne dust levels below the exposure limit

Respiratory protection

Wear suitable half mask respirator with filter P2 (EN143) if dust is generated during use and if exposure limits likely to be exceeded for prolonged periods.

Hand protection

Wear chemical resistance gloves (PVC, nitrile, neoprene or butyl)

Eye protection

Wear approved safety glasses or goggles

Protective equipment

Wash all contaminated clothing before re-use

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Small white granules

Odour

Strong

Odour threshold

Not determined

pH

6.0-7.0(5% suspension in water)

Melting point/freezing point

Not applicable predominantly an inorganic solid

Initial boiling point and boiling range

Not applicable predominantly an inorganic solid

Flash point

Not determined

Evaporation rate

Not determined

Flammability (solid, gas)

Flammable solid Category 2

Upper/lower flammability or explosive limits

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Vapour pressure	Not determined
Vapour density	Not determined
Relative density	Not determined
Solubilities	0.63 g/ml (tapped density)
Partition coefficient n-octanol/water	Not soluble in water
Autoignition temperature	Not applicable predominantly an inorganic solid
Decomposition temperature	Not determined
Viscosity	Not applicable predominantly an inorganic solid
Explosive properties	Not applicable
Oxidising properties	No ingredients with explosive properties
9.2. Other information	No ingredients with oxidising properties
	None available

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	Not expected to create special hazards
10.4. Conditions to avoid	Not determined
10.5. Incompatible materials	None known
10.6. Hazardous decomposition products	None known

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

a) Acute toxicity

Estimated oral ATE for mixture is >20,000 mg/kg

Estimated dermal ATE for mixture is >10,000 mg/kg

b) Skin corrosion/irritation: Mixture not classified as causing skin Irritation or corrosion.

c) Serious eye damage/irritation: Mixture classified as H319 Causes serious eye irritation

d) Respiratory or skin sensitisation: Contains ingredients that may cause sensitisation by skin contact, mixture is classified as Skin Sens.1, H317 May cause an allergic skin reaction. Does not contain ingredients classified as a respiratory sensitiser.

e) Germ cell mutagenicity: Does not contain ingredients that are known germ cell mutagens

f) Carcinogenicity: Does not contain ingredients that are known carcinogens

g) Reproductive toxicity: Does not contain ingredients that are known reproductive toxicants

h) STOT single exposure: The product contains liquid ingredients that are classified as STOT SE 3 H336 (May cause drowsiness or dizziness), but at levels below that at which classification for this hazard is required.

i) STOT repeated exposure: Does not contain ingredients that are known to cause single target organ toxicity with repeated exposure.

j) Aspiration hazard: The product contains a liquid ingredient that is classified as 'Asp Tox. 1, H304, May be fatal if swallowed and enters airways', but at levels below that at which classification for this hazard is required. The liquid raw materials are tightly absorbed onto a granular inorganic carrier.

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If swallowed, liquid cannot enter airways and the risk of aspiration toxicity of the product is therefore minimal.

Section 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Mixture not classified as toxic to aquatic life for either acute or chronic effects.

12.2. Persistence and degradability

Biodegradation only applies to organic materials, the carrier in this product is inorganic. Given the classification and degradability information on the organic ingredients and their concentration in the mixture no adverse environmental effects are foreseen.

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

The inorganic carrier will mix with soil and with the other ingredients being tightly absorbed to the carrier, so no extensive migration to groundwater is expected

12.5. Results of PBT and vPvB assessment

Not anticipated to be PBT or vPvB

12.6. Other adverse effects

None known

Section 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods Small quantities of product (up to 20 kg on any one occasion) can be disposed of with domestic refuse.

Section 14. TRANSPORT INFORMATION

14.1. UN number

UN 1325

14.2. UN proper shipping name

Flammable Solid, Organic NOS (Contains IPA)

14.3. Transport hazard class(es)

Class 4.1

14.4. Packing group

III

14.5. Environmental hazards

No

14.6. Special precautions for user

Transport Cat 3

Tunnel restriction (E)

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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or State level pertaining to releases of this material.

Section 16. ADDITIONAL INFORMATION

Hazardous Material Information System (HMIS)	HEALTH	1
	FLAMMABILITY	2
	PHYSICAL HAZARD	0
	PERSONAL PROTECTION	B

ADDITIONAL 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.