



### SAFETY DATA SHEET


#### B04 Bio Man Biological Drain Maintaining Powder

#### SECTION 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

<b>1.1 Product Name</b>	Code: B04, High Active Biological Drain Maintaining Powder		
<b>1.2 Other Names</b>			
<b>SDS No</b>	C2/598	Rev Date:	7 <sup>th</sup> May 2015
<b>1.3 Application</b>	Drain Maintenance		
<b>1.4 Supplier</b>	Paragon Products UK Ltd Newhailes Industrial Estate, Musselburgh East Lothian, United Kingdom. EH21 6SY <b>Tel:</b> +44 (0) 131 653 2222. <b>Fax:</b> +44 (0) 131 653 2272 E:Mail. sales@paragongroup.co.uk		
<b>1.5 Emergency Contact Number</b>	0131 653 2222		


#### SECTION 2. HAZARD IDENTIFICATION

##### Classification (1999/45/EEC)

<b>2.1 Classification</b>	Harmful
<b>2.2 Labelling</b>	 <b>HARMFUL</b>
<b>Risk Statements</b>	R42 – May cause sensitisation by inhalation
<b>Safety Statements</b>	S2 – Keep out of reach of children S22 – Do not breath dust
<b>2.3 Other Hazards</b>	None

##### Classification (EC1272/2008)

<b>2.1 Signal Word</b>	Danger
<b>2.1 Classification</b>	Physical: Not classified Health: Resp. Sens. 1 – H334 Environmental Not classified
<b>Hazard Statements</b>	H334 – May cause allergic or asthma symptoms or breathing difficulties if inhaled
<b>Precautionary Statements</b>	P102 – Keep out of reach of children. P260 – Do not breathe dust/fume/gas/mist/vapours/spray. P285 – In case of inadequate ventilation wear respiratory protection. P304 + P341 – IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

<b>2.2 Labelling</b>						
	GHS08					
<b>2.3 Other Hazards</b>	EUH 208 – Contains (Amylase, Lipase, Subtilisin). May produce an allergic reaction.					

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

## 3.2 Mixture

Product	EC (EINECS No.)	CAS-No.	%
AMYLASE	232-565-6	9000-90-2	<1
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Resp. Sens. 1 – H334. Environmental: Not Classified.		R42	
Product	EC (EINECS No.)	CAS-No.	%
LIPASE	232-619-9	9001-62-1	<1
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Resp. Sens. 1 – H334. Environmental: Not Classified.		R42	
Product	EC (EINECS No.)	CAS-No.	%
SUBTILISIN	232-752-2	9014-01-1	<1
Classification (EC 1272/2008)		Classification (67/548/EEC)	
Physical: Not Classified. Health: Skin Irrit. 2 – H315, Eye Dam. 1 – H318, Resp. Sens. 1 – H334, STOT SE – H335. Environmental: Not Classified.		R42 Xi; R37/38 Xi; R41	

For the full text of the R-phrases mentioned in this section, see section 16.

For the full text of the H-statements mentioned in this section, see section 16.

## SECTION 4. FIRST-AID MEASURES

4.1 Description of First Aid Measures	
Inhalation	Move exposed person to fresh air. Get medical attention
Ingestion	Provide rest, warmth and fresh air. Do Not Induce Vomiting! Immediately rinse mouth and drink plenty of water. Get medical advice immediately!
Skin Contact	Remove contaminated clothing and wash with soap and water. Get medical attention if discomfort continues.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses if safe and easy to do so, open eyes wide apart. Get medical attention if discomfort continues.
4.2 Most Important Symptoms and effects, both acute and delayed	
General Information	Symptoms described are dependent upon the concentration and exposure time
Inhalation	Coughing, chest tightness, feeling of chest pressure
Ingestion	Irritation to throat mouth and stomach
Skin Contact	Possible mild Irritation
Eye Contact	May cause temporary eye irritation
4.3 Indication of immediate medical attention and special treatment needed if necessary	

**SECTION 5. FIRE-FIGHTING MEASURES**

<b>5.1 Suitable Extinguishing Media Use:</b>
Extinguish with alcohol resistant foam, carbon dioxide, dry powder or water fog
<b>5.2 Specific Hazard arising from the chemical</b>
Oxides of : Carbon
<b>5.3 Special protective actions for fire fighters</b>
Wear positive pressure self contained breathing apparatus (SCBA) and appropriate protective clothing

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

<b>6.1 Personal Precautions, protective equipment and emergency procedures</b>
a. The wearing of suitable protective equipment (including personal protective equipment, see section 8 of this SDS) to prevent any contamination of skin, eyes and personal clothing. b. Follow precautions for safe handling described in section 7 of this SDS.
<b>6.2 Environmental Precautions</b>
Spillages of uncontrolled discharges into watercourses must be Immediately alerted to the Environmental Agency or other appropriate regulatory body, without endangering individuals every effort should be made to prevent entrance to drains.
<b>6.3 Methods and material for containment and clean up</b>
Drains should be Bunded or capped to prevent entrance or damage. Ventilate well. Dilute with copious amounts of water. Collect with absorbent, non-combustible material into suitable containers. Flush area with plenty of water.

**SECTION 7. HANDLING AND STORAGE**

<b>7.1 Precautions for safe handling</b>
Avoid Spilling, skin and eye contact. Do Not Smoke In Work Area! Wash 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.
<b>7.2 Conditions for safe Storage, including incompatibilities</b>
Keep containers tightly closed. Keep in original containers. Do not allow product to freeze, avoid extreme temperatures
<b>7.3 Specific end use(s)</b>
The identified use for this product is detailed in section 1.2.

**SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>8.1 Control parameters</b>						
Name	STD	TWA – 8 Hrs		STEL – 15 Min		Notes
SUBTILSIN	WEL		0.00004 mg/m3			Sen
WEL= Workplace Exposure Limit						
<b>8.2 Appropriate engineering controls</b>						
Provide adequate ventilation						
<b>8.3 Individual protection measures, such as personal protective equipment (PPE)</b>						
<b>Respiratory Equipment</b>	If ventilation is in sufficient, suitable respiratory protection must be provided.					
<b>Hand Protection</b>	PVC or rubber gloves are recommended.					
<b>Eye Protection</b>	Wear approved safety goggles.					
<b>Other Protection</b>	Wear suitable protective clothing to prevent skin contact					

Protective Equipment



## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<b>This Product is a</b>	Mixture		
<b>Appearance</b>	Mixed fine and granular powder		
<b>Colour</b>	Light brown to off white		
<b>Odour</b>	Slight odour		
<b>Solubility</b>	Soluble in water		
<b>Relative Density</b>	1.1		
<u>9.2 Other information</u>			
None			

## SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

None known

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of hazardous reactions

None known

10.4 Conditions to avoid

Keep dry. Avoid excessive heat for prolonged periods of time. Do Not allow to freeze

10.5 Incompatible materials

None known

10.6 Hazardous decomposition products

Oxides of: Carbon

## SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Toxicological information

We have not carried out any animal testing; therefore we have no toxicological data specifically for this product. The toxicological data, where provided by the raw material manufacture, can be made available on request.

## SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

We have not carried out any Aquatic testing; therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity data, where provided by the raw material manufacturer for the ingredients with aquatic toxicity can be provided on request

12.2 Persistence and degradability

Degradability: the products used in this preparation are designed for disposal via normal foul water disposal methods

12.3 Bioaccumulative potential

This preparation does not contain any substance that is expected to be bioaccumulating

12.4 Mobility in soil

Not Known

12.5 Results of PBT and vPvB

This preparation does not contain and PBT or vPvB substances

12.6 Other adverse effects

Not Known

## SECTION 13. DISPOSAL CONSIDERATIONS

## 13.1 Waste treatment methods

The preparation is designed for disposal via foul drain after use. Large volumes to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local waste disposal authority. Clean used container and recycle.

## SECTION 14. TRANSPORT INFORMATION

This product is not classified as hazardous for transport, as per IATA, ADR & IMDG.

## SECTION 15. REGULATORY INFORMATION

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

Guidance notes: Workplace Exposure Limits EH40

EU Legislation: Safety Data sheets prepared in accordance with REACH Commission Regulation (EU) No 453/2010 and CHIP Directive 1999/45/EEC Classification, Packaging & Labelling of dangerous preparations. Ingredients are listed with classification under both CHIP – Directive 67/548/EEC and GHS / CLP – Regulation (EC) No 1272/2008 classification, ADR 2013

## 15.2 Chemical Safety Assessment

Not applicable this product is a mixture

## SECTION 16. OTHER INFORMATION

REV. No. REPL. SDS	1/0
Generated	7 <sup>th</sup> May 2015
SDS No.	C2/598
SDS Status	Ok
Approved	8 <sup>th</sup> May 2015
Notes	This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of the company's knowledge and belief, accurate and reliable as of date indicated. However, no warranty, guarantee or representation is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.
Risk phrases in full	R37/38 – Irritating to respiratory system and skin R41 – Risk of serious damage to eyes R42 – May cause sensitization by inhalation
Hazard statements in full	H315 – Causes skin irritation. H318 – Causes serious eye damage. H334 – May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 – May cause respiratory irritation.
Supplementary P- Statements	P102 – Keep out of reach of children. P260 – Do not breathe dust/fume/gas/mist/vapours/spray. P285 – In case of inadequate ventilation wear respiratory protection. P304 + P341 – IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P342 + P311 – If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
EUH Statements	EUH 208 – Contains (Amylase, Lipase, Subtilisin). May produce an allergic reaction.
<b>END of SDS</b>	