MECHLINE

WATER | GAS | WASTE MANAGEMENT | PEST CONTROL

PRODUCT DATA SHEET: BIO-BRICK

BIOBRICK

MSGD

BioBrick is a controlled release system containing a specially selected blend of non-toxic natural microbes which digest oils, fats, grease and other organic matter in wet wells, grease traps and other low oxygen situations.

GP-BIOBRICKS-LARGE
Single Large BioBrick (230x70mm), approx. 3Kg.

GP-BIOBRICKS-SMALL
Pack of 6 BioBricks (70x90mm), each approx. 400g.

HOW IT WORKS...

The bacteria in the BioBrick forms a biofilm which is continually replaced and produces a continuous and renewable supply of highly active enzymes for fat and grease degradation. This biofilm adheres to the drainage system walls and is highly resistant to cleaning fluids and disinfectants, thus providing a longer lasting protection than enzyme or caustic products, which have minimal contact time.

Product Key Features

- **Safe and Stable blend of Bacillus spores.**
- **Aerobic and facultative anaerobic strains with a fast growth rate.**
- **Ability to work under a great range of conditions – low and high temperature, low and high pH, aerobic and anaerobic conditions, low-nutrient conditions, salinity, etc.**
- **Production of extra-cellular enzymes providing a wide range of degradation capabilities including fats, oils and greases, short and lone chain fatty acids, cellulose, protein and starch.**

THE BENEFITS of regular application are:

- Fat digestion
- Improved flow
- Eliminate blockages
- Effective odour reduction
- Complete digestion of solids
- Reduction of pump use and wear
- Significant reduction in BOD levels

Usage Instructions

BioBricks should be used as directed by the Consultant. However, if the brick is to be used in a lifting station the brick should be suspended at a mid way point between the high and low points in the pumping cycle. If the brick is to be used to keep drain lines clear, it should be placed in a position so that all the waste passes over it.

Longevity

Dependant on application, the large BioBrick should last approximately 3 months and the small BioBrick should last approximately 1 month each.

Health and Safety

There is a risk of serious damage to the eyes. Avoid contact with eyes and in case of contact with the eyes, rinse immediately with water and seek medical advice. The product is harmful if swallowed. Avoid ingestion and contact with drinking water or foodstuffs.

Product contains naturally occurring non-pathogenic bacterial cultures and is not harmful to the environment.

For best results, store in a cool, dry place.

For more information see the Material Safety Data Sheet overleaf.

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

1.1 Product identifier
Product name: Wet Well Treatment Blocks, t/a GreasePak BioBrick MSGD (Part No.: GP-BIOBRICKS-LARGE or GP-BIOBRICKS-SMALL)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of substance / mixture: Specialised slow release biological preparation for breaking down grease and organic matter in waste water systems.

1.3 Distributor details: Mechline Developments Ltd, ONE Brudenell Drive, Brinklow, Milton Keynes, England MK10 0DE T: +44 (0)1908 261 511 F: +44 (0)1908 261 522 E: info@mechline.com

1.4 Emergency telephone: T: +44 (0) 1908 261 511 (9am-5:30pm GMT)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation. Causes serious eye damage.

2.2 Label Elements
Hazard statements: H315: Causes skin irritation. H318: Causes serious eye damage.
Signal words: Danger.
Hazard pictograms: GHS05: Corrosion

Precautionary statements: P264: Wash hands thoroughly after handling. P280: Wear protective gloves and eye protection. P302+350: IF ON SKIN: Gently wash with plenty of soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a physician.

2.3 Other hazards
PBT: This product is not identified as a PBT/vPvB substance.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures
Hazardous ingredients: COCONUT MONOETHANOLAMIDE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
-	68140-00-1	-	Skin Irrit. 2: H315; Eye Dam. 1: H318	20-40%

Contains: COCONUT MONOETHANOLAMIDE

4. FIRST AID MEASURES

4.1 Description of first aid measures
Skin contact: Wash immediately with plenty of soap and water.
Eye contact: Bathe eye with running water for 15-mins. Consult a doctor.
Ingestion: Rinse mouth & throat with water and give sips of water to drink. Consult a doctor.
Inhalation: Remove victim to fresh air and seek medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
Inhalation: Nausea and stomach pain may occur. Drowsiness or mental confusion may occur.
Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

4.3 Indication of any immediate medical attention and special treatment needed: Eye bathing equipment should be available on the premises.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture
Exposure hazards: Not applicable.

5.3 Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and procedures: Do not attempt to take action without suitable protective clothing - see section 8.

6.2 Environmental precautions: No special environmental concerns.

6.3 Methods and materials for containment and cleaning up
Clean-up procedures: Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections: Refer to section 8.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling: Avoid direct contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities: Store in a cool, well ventilated area. Keep container tightly closed.

7.3 Specific end use(s): No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters
Workplace exposure limits: No data available.
DNEL/PNEC Values: No data available.

8.2 Exposure controls
Engineering measures: Not applicable.
Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.
Hand protection: Protective gloves.
Eye protection: Safety glasses. Avoid contact with the eyes. Ensure eye bath is to hand.
Skin protection: Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties
State: Solid
Colour: Blue, Green or Brown
Odour: Barely perceptible odour
Evaporation rate: No data available.
Oxidising: No data available.
Solubility in water: Soluble
Viscosity: No data available.
Boiling point/range°C: >250
Flammability limits %: lower: No data available.
Flash point°C: >125
Autoflammability°C: No data available.
Relative density: No data available.
VOC g/l: No data available.
Melting point/range°C: >60
upper: No data available.
Part.coeff. n-octanol/water: No data available.
Vapour pressure: No data available.
pH: No data available.

9.2 Other information: No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid: Heat.

10.5 Incompatible materials to avoid: Strong oxidising agents. Strong acids.

10.6 Hazardous decomposition products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Relevant effects for mixture:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

11.2 Symptoms / routes of exposure: Refer to section 4.2.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Ecotoxicity values: No data available.

12.2 Persistence and degradability: Biodegradable.

12.3 Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment
PBT identification: Product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects: No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Disposal operations: Small amounts of unwanted product may be flushed with water to sewer.
Disposal of packaging: Dispose of as normal industrial waste.
NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

Transport class: Product does not require a classification for transport.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Specific regulations: Not applicable.

15.2 Chemical safety assessment: Not applicable.

16. OTHER INFORMATION

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.
* indicates text in the SDS which has changed since the last revision.
Compilation date: 13/04/2017
Revision No: 1
Phrases used in s.2 and s.3: H315: Causes skin irritation.
H318: Causes serious eye damage.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

MECHLINE

MECHLINE DEVELOPMENTS LIMITED | Unit 15, Carters Lane, Kiln Farm, Milton Keynes, England MK11 3ER
Tel: 0044 (0)1908 261511 | Fax: 0044 (0)1908 261522 | Email: info@mechline.com | Web: www.mechline.com