

## GEARTH GEARTH BioFlow Sewer

## MATERIAL SAFETY DATA SHEET

Viable bacterial culture blend in liquid form for biological sewer and drain treatment — organic breakdown and odour control.

**1 IDENTIFICATION OF THE MATERIAL**

|                   |                                                                           |
|-------------------|---------------------------------------------------------------------------|
| Product Name      | GEARTH BioFlow Sewer                                                      |
| Description       | Viable bacterial culture liquid for biological sewer and drain treatment. |
| Product Packaging | 25 L, 210 L, 1 000 L                                                      |
| Supplier          | GEARTH (Pty) Ltd                                                          |
| Address           | 96 Lazy River Road, Centurion, 0157, Gauteng, South Africa                |
| Website / Email   | www.gearth.co.za   info@earth.co.za                                       |

**EMERGENCY CONTACTS**

|                 |              |
|-----------------|--------------|
| GEARTH Office:  | 012 004 8183 |
| Emergency Cell: | 066 214 2274 |

**2 COMPOSITION / INFORMATION ON INGREDIENTS**

|                      |                            |
|----------------------|----------------------------|
| Hazardous Components | None.                      |
| Ingredients          | Viable Bacterial Cultures. |
| EEC Classification   | N/A                        |
| R Phrases            | N/A                        |

**3 HAZARDS IDENTIFICATION**

|                             |                                      |
|-----------------------------|--------------------------------------|
| Hazard Classification       | None allocated.                      |
| Flammability                | None allocated.                      |
| Chemical Hazard             | None allocated.                      |
| Biological Hazard           | No known effect.                     |
| Health Effects – Eyes       | No known effect.                     |
| Health Effects – Skin       | No known effect.                     |
| Health Effects – Ingestion  | Not to be ingested. Effects unknown. |
| Health Effects – Inhalation | No known effect.                     |
| Carcinogenicity             | No known effect.                     |
| Mutagenicity                | No known effect.                     |
| Reproductive Hazard         | No known effect.                     |
| Neurotoxicity               | No known effect.                     |

**4 FIRST AID MEASURES**

|            |                                                                                                                                         |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Swallowed  | Seek medical attention.                                                                                                                 |
| Eyes       | If material enters the eyes, flush with plenty of saline ensuring eyelids are held open. If irritation persists seek medical attention. |
| Skin       | Rinse with water.                                                                                                                       |
| Inhalation | Move to fresh air.                                                                                                                      |

**5 FIRE FIGHTING MEASURES**

|                                                  |                                                                   |
|--------------------------------------------------|-------------------------------------------------------------------|
| Protective Clothing                              | None required.                                                    |
| Extinguishing Media                              | CO2.                                                              |
| Special Hazards                                  | None.                                                             |
| <b>6 ACCIDENTAL RELEASE MEASURES</b>             |                                                                   |
| Personal Precautions                             | None.                                                             |
| Environmental Precautions                        | None.                                                             |
| Spills                                           | Collect product and dispose as normal waste to sewage.            |
| <b>7 HANDLING AND STORAGE</b>                    |                                                                   |
| Safe Handling                                    | Normal handling procedures.                                       |
| Safe Storage                                     | Store under cool, dark ambient conditions. Keep container sealed. |
| <b>8 EXPOSURE CONTROLS / PERSONAL PROTECTION</b> |                                                                   |
| Occupational Exposure Limits                     | No data available.                                                |
| Engineering Measures                             | None required.                                                    |
| Respiratory Protection                           | None required.                                                    |
| Hand Protection                                  | None required.                                                    |
| Eye Protection                                   | None required.                                                    |
| Skin Protection                                  | None required.                                                    |
| Other                                            | Use according to supplier instructions.                           |
| <b>9 PHYSICAL AND CHEMICAL PROPERTIES</b>        |                                                                   |
| Appearance                                       | Blue/green liquid blend.                                          |
| Odour                                            | Natural.                                                          |
| pH                                               | 5.00 ± 0.1 (as supplied)                                          |
| Flammability                                     | Not applicable.                                                   |
| Auto Flammability                                | Not applicable.                                                   |
| Explosive Properties                             | None.                                                             |
| Vapour Pressure                                  | Not applicable.                                                   |
| Solubility – Water                               | Dissipates in water.                                              |
| Flash Point                                      | Not applicable.                                                   |
| Boiling Point                                    | Not applicable.                                                   |
| Melting Point                                    | Not applicable.                                                   |
| Density                                          | 1.000 kg/L ± 0.005                                                |
| <b>10 STABILITY AND REACTIVITY</b>               |                                                                   |
| Stability                                        | Stable under normal conditions.                                   |
| Hazardous Decomposition                          | None known.                                                       |
| <b>11 TOXICOLOGICAL INFORMATION</b>              |                                                                   |
| Acute Toxicity                                   | No known effect when used according to instructions.              |
| Chronic Toxicity                                 | No known effect when used according to instructions.              |
| Carcinogenicity                                  | No known effect when used according to instructions.              |

|                     |                                                      |
|---------------------|------------------------------------------------------|
| Mutagenicity        | No known effect when used according to instructions. |
| Reproductive Hazard | No known effect when used according to instructions. |

**12 ECOLOGICAL INFORMATION**

|                  |                                                      |
|------------------|------------------------------------------------------|
| Biodegradability | Biodegradable.                                       |
| Aquatic Toxicity | No known effect when used according to instructions. |
| Bioaccumulation  | No data available.                                   |

**13 DISPOSAL CONSIDERATIONS**

|                    |                                               |
|--------------------|-----------------------------------------------|
| Disposal Methods   | Dispose in accordance with local regulations. |
| Container Disposal | Recycle plastic and paper-based waste.        |

**14 TRANSPORT INFORMATION**

|                 |                                                                       |
|-----------------|-----------------------------------------------------------------------|
| Transport Class | Not classified as Dangerous Goods for transport by Road, Rail or Air. |
|-----------------|-----------------------------------------------------------------------|

**15 REGULATORY INFORMATION**

|                           |                 |
|---------------------------|-----------------|
| EEC Hazard Classification | Not applicable. |
| Risk Phrases              | Not applicable. |
| Safety Phrases            | Not applicable. |
| National Legislation      | OSH Act.        |

**16 OTHER INFORMATION**

This MSDS summarises GEARTH's best knowledge of the health and safety hazard information available for this product and the measures required to handle and use it safely. Each user should read this MSDS in connection with their specific application and intended use.

**Disclaimer:** The information provided is correct to the best of our knowledge at the date of publication. It is intended only as guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not a warranty or quality specification. GEARTH (Pty) Ltd shall not be held liable for any damage resulting from handling or contact with this product.

|                                                     |                          |              |
|-----------------------------------------------------|--------------------------|--------------|
| Document Reference:<br>GEARTH-MSDS-BioFlowSewer-001 | Revision Date: June 2026 | Version: 1.0 |
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