



PRODUCT INFORMATION SHEET

DRAIN FREE

BIOLOGICAL GREASE TRAP TREATMENT

PRODUCT INFORMATION:

Environmentally safe biological treatment containing high count multi-bacterial cultures for grease traps, interceptors, pipes, drains, toilets & urinals. Eliminates odours, liquefies fats & grease & digests organic waste.

ADVANTAGES:

HIGH ACTIVITY:	Formulated with multiple species of bacteria & micro-organisms that eradicate 99.94% removal of fats, grease and oil.
HIGH CLEANING POWER:	Unlike chemical products that become super saturated, Drain Free is a biological treatment so will continue to perform until all blockages are removed.
ENVIRONMENTALLY SAFE:	As Drain Free contains live cultures and no chemicals it is 100% safe on the environment.
VERSATILITY OF USE:	Drain Free can be used in all grease trap dosing applicators or may be manually put down drains etc.
LEAVES NO RESIDUE:	Drain Free eats through grease to leave traps and pipes clean and blockage free
SOLUBILITY:	100% soluble in water.

DIRECTIONS FOR USE:

Concentration of use depends on the degree of soiling & size of grease trap/inceptor. For initial treatment add 1 litre into the trap. For manual maintenance treatments; add +/- 120mls daily. Never let any chemical mix with this product.

HEALTH AND SAFETY:

See Safety Data Sheet.

PACKAGING:

All our plastic drums are high molecular weight; high-density polyethylene designed to bring the product to the customer in perfect conditions.

Size: 5Lt & 20Lt Drums.

QUALITY ASSURANCE:

This product is manufactured in Ireland to ISO 9002 quality standards & conforms to R.E.A.C.H & CLP regulations. Shelf life: Not less than 1 year in appropriate storage conditions (See Section 7 of MSDS).

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PRODUCT NAME: DRAIN FREE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name DRAIN FREE
Product No. OIR 603

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses: BIOLOGICAL GREASE TRAP TREATMENT

1.3. Details of the supplier of the safety data sheet

Supplier Total Cleaning Supplies
Limerick: 061 436 402 | Cork: 021 435 5262
sales@totalcleaningsupplies.ie
www.totalcleaningsupplies.ie

1.4. Emergency Contact: National Poisons Information Centre, Beaumont Hospital,
Beaumont Road, Dublin 9. Tel: +353(01)8092566

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification: Regulation (EC) No 1272/2008: NC: Not Classified
Human health: Not Classified
Environment: This product is 100% non-hazardous to the environment

2.2. Label elements

Detergent
Labelling: Contains: An aqueous concentrate of facultative micro-organisms
Hazard Phrases NC Not Classified
Precautionary
Statements P305 IF IN EYES: Flush eyes with water, remove contact lenses if
present & continue rinsing. Obtain medical attention if irritation
persists.

2.3. Other hazards: N/A

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Proprietary mixture of Selected Group 1 Bacteria. Natural live vegetated and spore forming micro-organisms in a buffered solution of bacterial strains, Arthrobactor Sp., Bacillus Sp. (12 different species) TVC 1x10⁷

A Full Text for all Hazard Statements are Displayed in Section 16

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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	In case of inhalation of spray mist: Move person into fresh air & keep at rest.
Ingestion:	Get medical attention and show this document or label.
Skin contact:	Wash skin with soap and water.
Eye contact:	Promptly wash eyes with plenty of water while lifting the eye lids. Seek medical attention should irritation persist.
Protection of first aider:	None noted (see Section 8.)

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

Inhalation:	No symptoms noted.
Ingestion:	No specific symptoms noted but may cause discomfort or vomiting if swallowed
Skin contact:	No specific symptoms noted bur prolonged or excessively exposure may cause skin dryness.
Eye contact:	No specific symptoms noted. But contact may lead to the product affecting the natural lubrication of the eye.

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

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Suitable Extinguishing Media:	This product is not flammable. Use appropriate extinguishing media for surrounding materials
5.2 Unsuitable:	N/A
5.3 Specific Hazards:	N/A
5.4 Special Equipment for the protection of Fire Fighters:	Wear full protective clothing & breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions:	Avoid contact with eyes (see Section 8.)
6.2 Environmental Precautions:	No special measures required, this product is safe for on the environment
6.3 Methods for Cleaning up:	Flush with water to nearest drain.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

Technical Measures:	No special measures required.
Safe Handling Advice:	None noted. Comply with instructions for use.

7.2 Storage

Technical Measures:	No special measures required.
Storage Conditions:	Store in a cool dry place away from chemical agents. Temperature should not exceed 23°C. Do not freeze.
Incompatible Products:	Chlorine/Bleach will kill the product. Avoid contact with any chemicals or detergents.
Packaging:	White or coloured Plastic Drums.
Packaging Materials:	Recommended: Plastic Materials, Polyethylene, Polypropylene. Not Suitable – N/A.

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Engineering Measures: No special measures required.
- 8.2 Personal Protection Equipment:
- | | |
|-------------------------|-----------------------------------------------------------------------------------------------------|
| Respiratory Protection: | Provide adequate ventilation in areas of confined space. |
| Hand Protection: | No protection necessary however to protect the live cultures in the product gloves are recommended. |
| Eye Protection: | Use Chemical Goggles or Face Shield to EN Standard 166 Level 3 or higher |
| Skin Protection: | No protection necessary |
- 8.3 Hygiene Measures: Handle in accordance with good industrial hygiene and safety practices.
- 8.4 Occupational Exposure Limits: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- | | | |
|----|-----------------------------------------------|--------------------------|
| a) | Appearance: | Green Liquid Suspension. |
| b) | Odour: | Perfumed |
| c) | Odour threshold: | N/A |
| d) | pH: | 7+/-0.5 |
| e) | Melting point / freezing point: | No data available |
| f) | Initial boiling point & boiling range: | 30-37°C |
| g) | Flash point: | No data available |
| h) | Evaporation rate: | No data available |
| i) | Flammability solid, gas): | No data available |
| j) | Upper/lower flammability or explosive limits: | No data available |
| k) | Vapour pressure: | No data available |
| l) | Vapour density: | No data available |
| m) | Relative density: | 1.00kg/dm ³ |
| n) | Solubility(ies): | Miscible in Water |
| o) | Partition coefficient: n-octanol/water: | No data available |
| p) | Auto-ignition temperature: | No data available |
| q) | Decomposition temperature: | No data available |
| r) | Viscosity: | No data available |
| s) | Explosive properties: | No data available |
| t) | Oxidising properties: | No data available |

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity: There are no known reactivity hazards associated with this product.
- 10.2. Chemical stability: Stable under normal temperature conditions and recommended use.
- 10.3. Possibility of hazardous reactions: Hazardous Polymerisation N/A
- 10.4. Conditions to avoid: Do not mix with strong acids or oxidising agents.
- 10.5. Incompatible materials: Chlorine/Bleach will kill the product. Avoid contact with any chemicals or detergents.
- 10.6. Hazardous decomposition products: None under normal conditions.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

Inhalation:	No specific health warnings noted
Ingestion:	No specific health warnings noted but may cause discomfort if swallowed.
Skin contact:	No specific health warnings noted but extended exposure may cause skin dryness.
Eye contact:	No specific health warnings noted but may dry or irritate eye

11.2. Toxicological information on ingredients:

LC50: Not Determined

LD50: Not Determined

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity

Not regarded as dangerous for the environment. The product is easily biodegradable.

12.1. Toxicity

Ecological information on ingredients:

Elimination

Persistence: Not known

Degradability: material is biodegradable 99.99% in 24 hrs

12.2. Persistence and degradability

Degradability: The ingredients contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

No data available on bioaccumulation.

12.5. Results of PBT and vPvB assessment

Not determined.

12.6. Other adverse effects

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

General information: Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Consign empty container to normal waste.

13.1. Waste treatment methods

Dispose of waste in accordance with local regulations. Recover, reclaim or recycle, where possible.

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SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods:

REGULATIONS	CLASS
RID/ADR:	N/A
ICAO/IATA-DGR:	N/A
GGVSee/IMDG-Code:	N/A

14.1. <u>UN number:</u>	None
14.2. <u>UN proper shipping name</u>	None
14.3. <u>Transport hazard class(es)</u>	N/A.
14.4. <u>Packing Group</u>	N/A
14.5. <u>Environmental Hazards</u>	None known

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Statutory Instruments

Corresponding to Preparations Regulations S.I. No. 62 of 2004

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Revision Comments

Re-issued according to Regulation (EU) No 453/2010.

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Hazard Statements In Full

NC Not Classified

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.