

# HS Neutraliser

Hydrogen Sulphide Neutraliser  
for Septic Tanks & Cess Pits

**Destroys Sulphide (Rotten Egg) Smells**  
**If you are getting bad smells from your septic tank**  
**this is the product to use!**

## The Problem

- In septic tanks bacteria consume sulphate oxygen for organic processes. Sulphate-reducing bacteria grow in a "slime layer" that coats surfaces of the system.
- These bacteria use oxygen in the most readily available form: first, from elemental oxygen; then sulphate oxygen.
- The bacteria will consume sulphate oxygen after depleting elemental oxygen, leaving bi-sulphide ions to combine with hydrogen to form aqueous hydrogen sulphide and other gases which cause malodours.

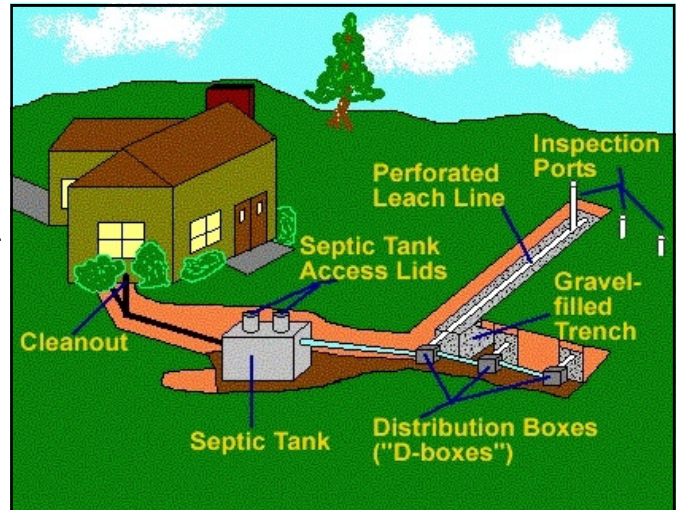
## How It Works

- The introduction of **Hydra HS Neutraliser** into the septic tank system provides a primary oxygen source for the bacteria's use that will stop the production of sulphate gases.
- The bacteria by utilising **Hydra HS Neutraliser** as an oxygen source break the sulphide production chain.
- **Hydra HS Neutraliser** also stimulates the growth of bacteria which utilize dissolved hydrogen sulphide in their metabolism.
- Removal of dissolved hydrogen sulphide gives a reduction in BOD.
- Reduces odours and stimulates the biological activity of naturally occurring bacteria in septic tanks. This gives better functioning septic tank.
- **If you are getting bad smells from your septic tank this is the product to use.**
- Packed in 1 and 5 kilo containers with measuring spoon.

## Dilution Rates

Add 45gms (1 heaped spoon) once per week via toilet into system, or can be added direct to septic tank. If smell is very bad add 4-8 heaped spoons initially.

Septic Tank System



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## Material Safety Data Sheet

All the information on this sheet relates to the concentrated product only, in use dilution will decrease any possible hazard significantly.

### Manufacturer

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| <b>1. IDENTIFICATION</b>                             | HS Neutralizer   |   |
| <b>2. COMPOSITION</b>                                | Selected oxygen release agents   |   |
| <b>3. HAZARDS IDENTIFICATION</b>                     | The product contains enzymes so there is a risk of sensitisation reactions in certain susceptible individuals  |   |
| <b>4. FIRST AID MEASURES</b>                         | EYES<br>SKIN<br>INHALATION<br>INGESTION  | Flush with copious amounts of water<br>Wash with soap and water<br>Non-toxic, but if in doubt seek medical advice<br>In the unlikely event of ingestion seek medical aid immediately<br>Give nothing by mouth to an unconscious person<br><br><u>In all cases, if symptoms persist, seek immediate medical advice</u> |
| <b>5. FIRE HAZARD &amp; FIRE FIGHTING PROCEDURES</b> | Any extinguishing media may be used but should be appropriate to the cause of the fire. Low degree of risk due to thermal decomposition                      |   |
| <b>6. ACCIDENTAL RELEASE MEASURES</b>                | In the event of accidental spillage, sweep up and wash away remainder with plenty of water   |   |
| <b>7. HANDLING AND STORAGE</b>                       | Store product in a cold dry place.<br>Prolonged storage in fridge or deep freeze.<br>Protect from light, raised temperature and humidity.                    |   |
| <b>8. EXPOSURE CONTROLS AND PERSONAL PROTECTION</b>  | RESPIRATORY PROTECTION<br>VENTILATION<br>PROTECTIVE GLOVES<br>EYE PROTECTION<br><br>OCCUPATIONAL EXPOSURE LIMIT  | Not applicable<br>Not applicable<br>Wear PVC or Rubber Gloves as appropriate<br>Wear goggles if task or application method could result in eye contact from accidental splash or spray<br>Not applicable  |
| <b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>           | PHYSICAL STATE<br>COLOUR<br>ODOUR<br>FLASHPOINT<br>SOLUBILITY<br>DENSITY<br>SOLUBILITY IN WATER<br>pH VALUE  | Crystals<br>White<br>Slight<br>Not applicable<br>Water Soluble<br>236g/100 cm3<br>120gm/100 ml (at 25°C)<br>6.57.0 (10 gm/100 ml at 20°C)   |
| <b>10. STABILITY &amp; REACTIVITY DATA</b>           | CHEMICAL REACTIVITY<br>STORAGE STABILITY<br><br>HAZARDOUS DECOMPOSITION AND COMBUSTION PRODUCTS  | Not applicable<br>The stability of the bacteria is dependent upon the storage conditions, see Sec.7.<br>All other constituents are stable under normal storage conditions.<br>Not applicable  |
| <b>11. TOXICOLOGICAL INFORMATION</b>                 | EYES<br>SKIN<br>INHALATION<br>INGESTION<br>No toxic effect on the rat (2000 mg/kg)<br>Limit test for acute oral toxicity (Annex V, EEC Commission Directive) | Irritant<br>Irritant<br>May cause irritation to mouth, throat and digestive tract<br>May cause irritation to mouth, throat and digestive tract  |
| <b>12. ECOLOGICAL INFORMATION</b>                    | Fully biodegradable  |   |
| <b>13. DISPOSAL CONSIDERATION</b>                    | Flush away with water  |   |
| <b>14. TRANSPORTATION INFORMATION</b>                | Not dangerous for transport  |   |
| <b>15. REGULATORY INFORMATION</b>                    | LABELLING INFORMATION  |   |
| <b>RISK PHRASES</b>                                  | Contact with combustible material may cause fire.  |   |
| <b>SAFETY PHRASES</b>                                | In case of contact with eyes rinse immediately with plenty of water and seek medical advice.   |   |
| <b>HAZARD SYMBOL</b>                                 | Oxidizer   |   |
| <b>16. OTHER INFORMATION</b>                         | 1st July 2010  |   |

The information contained in this document is provided in accordance with the requirements of Chemicals (Hazard Information & Packing) Regulations. The product should not be used for any purpose other than as stated on the label without obtaining specific written instructions directly from the supplier's Head Office. As specific conditions of use are outside the supplier's control the user is responsible for ensuring the requirements of relevant legislation are complied with. The user assumes all liability for damage or injury caused from abnormal use, failure to follow recommended practices & any hazard inherent in the nature of the product.