



MATERIAL SAFETY DATA SHEET	MICROGEN™ BACILLUS-ID Issue: 1 02/2006
Product Name	Microgen™ Bacillus-ID
Product Code	MID-66
1. Product Description	For the identification of mesophilic <i>Bacillus</i> spp. isolated from food, food ingredients and beverages.
2. Product Composition	Plastic Test strips with 24 wells each coated with a dried biochemical substrate. Wells 1-24 coated respectively with: Arabinose; Cellobiose; Inositol; Mannitol; Mannose; Raffinose; Rhamnose; Salicin; Sorbitol; Sucrose; Trehalose; Xylose; Adonitol; Galactose; M-D-Mannopyranoside; M-D-Glucopyranoside; Inulin; Melezitose; Indole; 2-Nitrophenyl beta-D Galactopyranoside; Arginine; Citrate; Voges Proskauer substrate. Each well contains a colour indicator phenol red
3. Health Hazards	Swallowed – not a likely source of exposure. May cause irritation to the mouth, oesophagus and stomach. Eyes – may cause irritation in contact with the eyes, which can result in redness and stinging Skin – may cause irritation in contact with the skin, which may result in redness and itching Inhaled – inhalation of vapours or mists may result in irritation of the mucous membranes and upper airways
4. First Aid Measures	Swallowed – wash out mouth with water, then give plenty of water to drink. If irritation develops seek medical attention. Eyes – if contact with the eye(s) occur, wash with copious amounts of water holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists seek medical attention. Skin – wash gently and thoroughly with water and non-abrasive soap. If irritation develops and persists seek medical attention. Inhaled – remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have a qualified person give oxygen through a face mask if breathing is difficult. If irritation develops and persists seek medical attention.
5. Fire Precautions	Non combustible materials
6. Spill and Release Measures	Small spills – wear Nitrile or Neoprene gloves, wipe up with absorbent towels. Large spills – wear protective clothing to minimise skin exposure. Place inert absorbent eg vermiculite, sand or dirt onto material. Collect the material and place into a

	suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place in the same container. If large quantities of this material enter the waterways contact the Environmental authorities.
7. Handling and Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid contact with incompatible materials that support combustion such as strong oxidising agents.
8. Exposure Control/ Personal Protection a. Eye Protection b. Respiratory Protection c. Skin	The use of goggles or a face shield is recommended. No special respiratory equipment is necessary The use of gloves and protective clothing is recommended
9. Physical Properties	Microbiology test kit, boiling point ~100°C and soluble in water
10. Stability	Stable until the expiry date on the outer box if stored at 2-8°C
11. Toxicological Information	No toxicity data is available for this material
12. Environmental Information	Prevent this material from entering waterways, drains or sewers
13. Waste Disposal	Should be undertaken by a registered chemical disposal company.
14. Transportation	This material is not considered dangerous or hazardous for transportation.
<p>The above information is based on data available and is believed to be correct. Since the information may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of its use and all persons receiving it shall make their own determinations of the effects, properties and protections which pertain to their particular conditions.</p> <p>No representation, warranty or guarantee, expressed or implied (including a warranty of fitness or merchantability for a particular purpose), is made with respect to the material, the accuracy of this information, the results to be obtained from the use thereof, or the hazards connected with the use of the material. Caution should be used in the handling and use of the material.</p>	
Originator:	Date:
Operations Director:	Date: