SAFETY DATA SHEET

Section 1 Chemical Name and Company Details

Gram Negative Susceptibility + Identification Plates

TREK Diagnostic Systems Ltd.
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Section 2 Composition and Information on Ingredients

Microtitre panel containing 32 identification media:

Sugar utilisation:- Sorbitol, Xylose, Sucrose, Trehalose, Mannitol , Maltose Inositol, Fructose, Arabitol, Arabinose, Raffinose, Cellobiose
Carbon source utilisation:- Malonate, Citrate, Pyruvate, Agmatine
Enzyme activity detection:- FR1, FR12, FR9, FR3, FR8, FR4, FR10, FR5, FR7, FR6
Decarboxalyse: - Ornithine, Lysine, Arginine
Other:- Aesculin, TDA, Urea
Antibiotics: - Dried antibiotics and with or without GNSIW solution (fluorescent reagent)

Section 3 Hazards Identification

This product is not classified as hazardous and no known health hazard is known to be associated with exposure to this product.

This product is however used in conjunction with bacterial cultures and any hazards associated with the cultures in use, should be recognised and appropriate additional precautions or actions taken.

Section 4 First Aid Measures

Eyes Wash with copious amounts of water and see a physician if symptoms persist.
Skin Wash with soap/water; consult a doctor if irritation develops.
Ingestion Not applicable under normal conditions of use but seek medical attention if abdominal distress occurs.
Inhalation Not applicable under normal conditions of use but seek medical attention if respiratory distress occurs.

Section 5 Fire Fighting Measures

No special precautions are required in the event of fire. Use a fire extinguisher appropriate to local fire conditions.

Other considerations:-
It may be possible for the plastic that comprises the panel itself to evolve toxic fumes, when dealing with a fire involving large numbers of panels self contained breathing apparatus would be recommended.

Section 6 Accidental Release Measures

Solid spills are unlikely under normal conditions of use as deliberate physical removal of well contents would be required, after reconstitution a liquid spill could happen. In this event the spill would constitute a biohazard and should be removed by absorbsion, disinfection and all materials autoclaved or incinerated.

Section 7 Handling and Storage

Store at room temperature (15-25°C) in the original packaging.

Section 8 Exposure Controls, Personal Protection

In general no personal protection is required, but for this products intended use with bacterial cultures the usual precautions of a laboratory coat, safety glasses and appropriate gloves would be recommended.

Additional requirements may be indicated by assessment on use of any given bacterial species such as masks or safety cabinets.

SAFETY DATA SHEET

Section 9 Physical and Chemical Properties

96 well microtitre tray with up to 64 dried thin film antibiotic drugs with GNSIW solution if applicable and 32 dried thin film identification media.

Section 10 Stability and Reactivity

Stable under normal conditions of use and storage, avoid high temperatures and direct sun light as this may cause degradation of organic components.

Section 11 Toxicological Information

IDENTIFICATION MEDIA

4-methylumberliferone (4MU), 7-amino-4-methyl coumarin (7AMC) and Sugar Derivative No. 1 are all classified as irritant in their unadulterated state, some of the unclassified conjugated substrates that contain 4MU and 7AMC are also likely irritants. At the levels of use and with even these low levels locked away in a thin film in the bottom of the microtitre well it is not likely that irritation to an operator can occur. All other components of the media present are classified as non hazardous and as such pose no risk. (a COSHH information sheet is available on request)

GNSIW

This product contains Component 1, Component 2 and Component 3.
None of the above is considered harmful. All are possible irritants in their unadulterated state. It is not considered likely at levels present in a thin film that irritation will occur on accidental exposure.

ANTIBIOTICS

All the antibiotics present are generally classified as hazardous, with label precautions running from irritant to toxic in their unadulterated state. At the levels of use and with even these low levels locked away in a thin film in the bottom of the microtitre well it is not likely that significant exposure to an operator can occur.

All other components of the media present are classified as non hazardous and as such pose no risk. (a COSHH information sheet is available on request).

SAFETY DATA SHEET

Section 12 Ecological Information

No relevant studies have been identified.

Section 13 Disposal Considerations

Unused panels should be disposed of as non hazardous waste according to local/federal waste disposal regulations.

Panels inoculated with bacterial cultures should be sterilised by autoclaving or incineration prior to disposal according to local/federal waste regulations.

Section 14 Transport Information

This is a non hazardous material no special EU or US shipping regulations/restrictions affect the shipping of this product.

Section 15 Regulatory Information

Risk phrases:- none
Safety phrases:- none
EC classification:- none

Section 16 Other Information

1) The above information is believed to be correct but does not purport to be all inclusive and should only be used as a guide. TREK shall not be held responsible for any held responsible for any damage resulting from handling or contact with the above material.
2) This MSDS complies with REACH (2007) and CHIP (1993).

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