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Safety Data Sheet

Catalogue No. AS-1414

Safety Data Sheet

16-section professional presentation for the supplied dehydrated powder

Product Diluting Fluid K	Form Dehydrated powder	Dispatch Melbourne, Australia
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Safety Data Sheet

Diluting Fluid K (AS-1414)

1. Identification

Product identifier: Diluting Fluid K (Peptone-Polysorbate Diluent), Dehydrated. Catalogue No.: AS-1414.

Recommended use: dehydrated culture-medium component for preparation of rinsing and diluting fluid used in laboratory sterility testing.

Supplier: Ausamics Pty Ltd

Email: sales@ausamics.com

Website: www.ausamics.com.au

Emergency Phone (Australia): 13 11 26 (Poisons Information Centre)

2. Hazard(s) identification

Classification: Not classified as hazardous according to adopted GHS criteria for the supplied mixture. Signal word: None. Hazard statements: None allocated. Precautionary statements: Avoid generating or inhaling dust. Observe good laboratory hygiene practices.

3. Composition / information on ingredients

Mixture of nutrient ingredients and surfactant components. Prepared medium concept: peptone 5.0 g/L, beef extract equivalent 3.0 g/L, polysorbate 80 10.0 g/L. Contains no intentionally added components at concentrations requiring hazardous-mixture classification as supplied, based on current formulation understanding.

4. First-aid measures

Inhalation: move person to fresh air if dust causes discomfort. Skin: wash with soap and water. Eyes: rinse cautiously with water for several minutes. Ingestion: rinse mouth and seek medical advice if unwell. Most important symptoms: transient irritation from dust exposure.

5. Fire-fighting measures

Suitable extinguishing media: water spray, dry chemical, foam, or carbon dioxide. Specific hazards: thermal decomposition may generate carbon oxides and irritating fumes. Protective equipment: standard fire-fighting PPE and self-contained breathing apparatus where needed.

6. Accidental release measures

Avoid dust generation. Wear suitable eye protection and gloves. Sweep or vacuum spilled material into a suitable container for reuse or disposal. Wash affected area after cleanup.

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Safety Data Sheet**7. Handling and storage**

Handle in a manner that minimizes dust generation. Use in well-ventilated laboratory areas. Store tightly closed in a cool, dry place away from moisture, direct light, and incompatible materials.

8. Exposure controls / personal protection

No occupational exposure limit assigned for the mixture. Engineering controls: general ventilation is normally sufficient. PPE: safety glasses, laboratory coat, and gloves; dust mask/respiratory protection if dust becomes excessive.

9. Physical and chemical properties

Appearance: cream to yellow powder. Odor: slight characteristic odor. Solubility: dispersible / soluble in water on preparation. pH: 6.9 ± 0.2 at 25°C after preparation. Flammability: not readily flammable in normal conditions.

10. Stability and reactivity

Stable under recommended storage conditions. Avoid moisture pickup and excessive heat. Incompatible materials: strong oxidizing agents. Hazardous decomposition products may include carbon oxides under fire conditions.

11. Toxicological information

No specific acute-toxicity data available for the finished mixture. Based on composition and expected use, significant toxicity is not anticipated. Dust may cause mild mechanical irritation to the eyes, skin, or respiratory tract.

12. Ecological information

No specific ecological data available for the finished mixture. Avoid uncontrolled release to the environment. Product is not expected to present significant environmental hazard at typical laboratory-use quantities.

13. Disposal considerations

Dispose of unused product, contaminated packaging, and prepared waste medium in accordance with local regulations and laboratory procedures. Consider autoclaving biologically contaminated prepared media prior to disposal.

14. Transport information

Not regulated as dangerous goods for road, rail, sea, or air transport based on current understanding of the supplied product.

15. Regulatory information

This document is prepared for professional laboratory users and follows a 16-section SDS presentation aligned to GHS-format expectations. Product classification should be reviewed if formulation changes or destination-specific rules require it.

16. Other information

Prepared for professional use. This sheet describes the supplied dehydrated product and not any biological hazard that may arise after use in microbiological procedures. Users should validate suitability for their application and maintain current revision control.