

SAFETY DATA SHEET (SDS)

Nutrient broth

Issue date: 18-09-2020

Section 1: Product Identifier and Chemical Identity

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| Product Identifier | |
| Product Name: | Nutrient broth |
| Product Codes: | MED4.10, MED4.20, MED4.30 |
| Other means of identification: | |
| Chemical formula, alternative names: | Nutrient broth powder Nutrient broth |
| Recommended use of the chemical and restrictions on use | |
| Recommended Use: | For laboratory use only. |
| Suppliers name, address and phone number | |
| Suppliers Name: | Southern Biological |
| Suppliers ABN: | 94 630 703 810 |
| Suppliers Address: | 1/44 Rushdale Street Knoxfield Victoria 3180 Australia |
| Suppliers Phone No.: | 1300 138 561 |
| Suppliers Fax No.: | +613 9753 3896 |
| Emergency Phone number (BH) | 1300 138 561 |

Section 2: Hazard Identification

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| Classification of the Hazardous Chemical | |
| Hazard Category | This product does not contain components classified as hazardous to health or the environment within the meaning of the GHS |
| Label elements | |
| Hazard Pictograms: | None |
| Signal Word: | None |
| Hazard Statements: | Low toxicity |
| Precautionary Statements: | Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not ingest. |
| Other Hazards | |
| Results of PBT and vPvB assessment: | PBT: Not applicable vPvB: Not applicable |

Section 3: Composition/information on ingredients

| Ingredients | | | |
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| Name | CAS | Proportion | Hazard Class |
| Non-hazardous components | | 100% | |

Section 4: First Aid Measures

| General Information | |
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| After Inhalation: | Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, call a doctor. |
| After skin contact: | Wash with water and soap and rinse thoroughly. If skin irritation occurs, seek medical advice. |
| After eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| After swallowing: | If conscious, rinse out mouth with clean water and ingest 1 -2 glasses of water. Seek medical advice if necessary. |
| Information for doctor: | |
| Most important symptoms and effects both acute and delayed: | Treat symptomatically. |
| Indications of any immediate medical attention and special treatment needed | No further relevant information available. |

Section 5: Firefighting measures

| Extinguishing media | |
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| Suitable extinguishing agents: | Use water spray, carbon dioxide fog, dry chemical, appropriate foam. |
| Special hazards arising for the substance or mixture: | No further relevant information available. |
| Advice for firefighters | |
| Protective equipment: | Do not enter the fire area without proper protective equipment including respiratory equipment. |

Section 6: Accidental release measures

| General Information | |
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| Personal precautions, protective equipment and emergency procedures: | No health effects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS. |
| Environmental precautions: | Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if spill to sewers or public waters. |
| Methods and material for containment and cleaning up: | Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation. In dehydrated form the powder may be swept or vacuumed up and |

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| | collected into suitable containers. Wetting with a small amount of water is recommended to avoid raising dust. In liquid form the spill needs to be contained with absorbent material, e.g. paper, sand, diatomaceous earth depending on size of spill. Once material has been absorbed it may be removed to waste disposal system. Area may then be decontaminated and cleaned as necessary. |
| Reference to other sections: | See Section 7 for information on safe handling. See Section 8 for information on protective equipment. See Section 13 for disposal information. |

Section 7: Handling and Storage

| General Information | |
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| Precautions for safe handling: | Avoid ingestion and inhalation of dust and contact with skin, eyes or clothing (see Section 8). Wear PPE. Always wash hands after handling. Remove PPE before entering areas where food is consumed |
| Information about fire – and explosion protection: | No special measures required. |
| Conditions for safe storage, including any incompatibilities. | |
| Storage: | Store in cool dry area out of direct sunlight and incompatible materials. Keep containers closed when not in use. Store in suitably labelled containers. |
| Requirements to be met by storerooms and receptacles: | No special requirements. |
| Information about storage in one common storage facility: | Not required. |
| Further information about storage conditions: | Keep container tightly sealed. Keep out of direct sunlight, below 25°C. |
| Specific end use(s): | Agar substrate for culturing bacteria |

Section 8: Exposure controls/personal protection.

| General information | |
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| Additional information about design of technical facilities: | No further data: see section 7 |
| Control parameters: | |
| Ingredients with limit values that require monitoring at the workplace: none | |
| The maximum level of non-toxic inspirable dust present in a workplace should not exceed 10mg/m ³ (NOHSC) | |
| Exposure Controls: | |
| General protective and hygienic measures: | Use only in systems, processes and procedures in which effective ventilation has been provided. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with eyes. |
| Respiratory protection: | Avoid dust formation. If using in an area with inadequate ventilation the use of local exhaust ventilation or fume hood conforming to AS 2243 is recommended. |

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| Clothing / Foot-wear and equipment | No special requirements. |
| Protection of hands: | PVC or rubber gloves |
| Eye protection: | Tightly sealed goggles |
| Skin protection: | Laboratory Coat |

Section 9: Physical and chemical properties

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| Appearance: | |
| Form: | Powder or broth |
| Colour: | Buff to brown |
| Odour: | Not determined |
| Odour Threshold: | Not determined |
| pH value: | Not determined |
| Change in Condition: | |
| Melting point/Melting range: | Not determined |
| Boiling point/Boiling range: | Not determined |
| Flash point: | Not determined |
| Flammability (solid / gaseous) | Not determined |
| Ignition Temperature | |
| Decomposition temperature: | Not determined |
| Self-igniting: | Not determined |
| Danger of explosion: | Not determined |
| Explosion limits | |
| Lower: | Not determined |
| Upper: | Not determined |
| Vapour pressure: | Not determined |
| Density: | Not determined |
| General Info | |
| Relative density: | Not determined |
| Vapour density: | Not determined |
| Evaporation rate: | Not determined |
| Solubility in/ Miscibility with water: | Soluble |
| Partition coefficient (n-octanol/water): | Not determined |
| Viscosity: | Not determined |
| Other information: | Not determined |

Section 10: Stability and reactivity

| Reactivity | |
|---|---|
| General | No further relevant information available. |
| Chemical Stability | |
| Thermal decomposition / conditions to be avoided: | No decomposition if used according to specifications. |
| Possibility of hazardous reactions: | No dangerous reactions known. |
| Conditions to avoid: | None known |
| Incompatible materials: | None known |
| Hazardous decomposition products: | None known |

Section 11: Toxicological information

| Information on toxicological effects | |
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| General | Low toxicity |
| Primary irritant effect: | |
| Inhalation: | Inhalation of large amounts of dust may cause respiratory tract discomfort. |
| Skin contact: | May cause mild skin blemishing after prolonged or repeated exposure in some individuals |
| Eye exposure: | May cause transient discomfort due to presence of dust particles in eye(s). |
| Ingestion: | Ingestion of large amounts may cause mild gastric disturbance. |
| Chronic Toxicity: | |
| General | Not classified |

Section 12. Ecological information

| Toxicity | |
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| Aquatic toxicity: | No data available |
| Persistence and degradability: | No further relevant information available. |
| Behaviour in environmental systems | |
| Bio-accumulative potential: | No further relevant information available. |
| Mobility in soil: | No further relevant information available. |
| Additional ecological information | |
| Results of PBT and vPvB assessment | PBT: Not applicable vPvB: Not applicable |
| Other adverse effects: | No further relevant information available. |

Section 13. Ecological information

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| Waste treatment methods | |
| Recommendation | Prevent this material from entering waterways, drains and sewers. Comply with official regulations. |
| Uncleaned packaging: | |
| Recommendation: | Disposal must be made according to official regulations. |
| Recommended cleansing agents: | Water, if necessary, together with cleansing agents. |

Section 14. Transport information

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| General | Not listed as a hazardous material. |
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Section 15. Regulatory Information

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| Safety health and environmental regulations/legislation specific for the substance or mixture | |
| Australian Inventory of Chemical Substances: | Substances are listed. |
| Standard for the Uniform Scheduling of Medicines and Poisons | S6 |
| GHS label elements | None |
| Chemical safety assessment: | A Chemical Safety Assessment has not been carried out. |

Section 16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.