

SAFETY DATA SHEET (SDS)

DNA marker, lambda DNA, BstEII digest

Issue date: 19-04-20204

Section 1: Product Identifier and Chemical Identity

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|---|---|
| Product Identifier | |
| Product Name: | DNA marker, lambda DNA, BstEII digest |
| Product Codes: | G42.51 |
| Other means of identification: | |
| Chemical formula, alternative names: | |
| 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: | 168 Fulham Road Alphington Victoria 3078 Australia |
| Suppliers Phone No.: | 1300 138 561 |
| Emergency Phone number (BH) | 1300 138 561 |

Section 2: Hazard Identification

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| Classification of the Hazardous Chemical | |
| Hazard Category | Not classified as hazardous |
| Label elements | |
| Hazard Pictograms: | None |
| Signal Word: | None |
| Hazard Statements: | Not classified |
| 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 |
| Ethylenediamine tetraacetic acid | 60-00-04 | 0-10% |
| Non-hazardous ingredients | Proprietary | balance |

Section 4: First Aid Measures

| General Information | |
|---|---|
| After Inhalation: | IF INHALED: 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: Get Medical advice/ attention. |
| After eye contact: | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| After swallowing: | Rinse mouth |
| 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 extinguishing measures that are appropriate to local circumstances and the surrounding environment. Do not scatter spilled material with high pressure water streams. |
| 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: | Use adequate ventilation |
| Environmental precautions: | Prevent entry to sewers and public waters. Avoid release to the environment. |
| Methods and material for containment and cleaning up: | Dispose of contaminating material as waste according to item 13. Ensure adequate ventilation. |
| 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: | Ensure good ventilation/exhaustion at the workplace. Do not eat drink or smoke when using this product. Wash contaminated clothing before reuse. |
| 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. |
| Specific end use(s): | No further relevant information available. |

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 | |
| Additional information | The lists valid during the making were used as basis. |
| 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: | In case of significant exposure use respiratory filter device. Not normally required. |
| 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: | Liquid |
| Colour: | Purple |
| Odour: | Mild |
| 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: | Not determined |
| Partition coefficient (n-octanol/water): | Not determined |
| Viscosity: | Not determined |
| Other information: | Not determined |

Section 10: Stability and reactivity

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| Reactivity | |
| General | No further relevant information available. |
| Chemical Stability | |

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| 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 based on information supplied |
| Incompatible materials: | None known based on information supplied |
| Hazardous decomposition products: | None known based on information supplied |

Section 11: Toxicological information

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| Information on toxicological effects | |
| General | Acute toxicity |
| Primary irritant effect: | |
| Inhalation: | Not classified |
| Possibility of hazardous reactions: | Not classified |
| Conditions to avoid: | Not classified |
| Chronic Toxicity: | |
| General | Not classified |

Section 12. Ecological information

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| Toxicity | |
| Ethylenediamine tetraacetic acid | oral LD50 >2000 mg/kg (rat) EC50: 1.01 mg/L (72h, <i>Desmodesmus subspicatus</i>) LC50: 34-62 mg/L (96h, <i>Lepomis macrochirus</i>) LC50: 44.2 -76.5 mg/L (96h, <i>Pimephales promelas</i>) EC50: 113 mg/L (48h, <i>Daphnia magna</i>) |
| 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. Disposal Considerations

| Waste treatment methods | |
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| 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

| Safety health and environmental regulations/legislation specific for the substance or mixture | |
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| 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.