



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

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| Product name | 100 bp DNA Ladder, Load Ready™ |
| Catalog number | RG-1001-01 RG-1001-02 |
| Supplier | Amplify LLC 1770 Massachusetts Avenue, Suite 167, Cambridge, MA 02140 Tel. +1 (781) 990-8727, Fax. +1 (888) 317-0512 |
| Information in case of emergency | Tel. +1 (781) 990-8727 |

2. COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous/Non-hazardous Components

The product contains no substances which at their given concentration, are considered to be hazardous to health.

3. HAZARDS IDENTIFICATION

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| Hazard description | Not applicable |
| Information concerning particular hazards for human and environment | Not applicable |
| Classification system | The classification is according to the latest editions of the EU-lists. |

4. FIRST-AID MEASURES

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| Inhalation | Move to fresh air. If breathing becomes difficult, call a physician. |
| Ingestion | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. |
| Skin contact | Wash off immediately with plenty of soap and water. If irritation develops, get medical attention. |
| Eye contact | Rinse opened eye immediately with plenty of water. If irritation persists, get medical attention. |
| Notes to physician | Treat symptomatically. |

5. FIRE-FIGHTING MEASURES

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| Suitable extinguishing media | Dry chemical, CO ₂ , water spray or alcohol resistant foam. |
| Fire/Explosion hazards | Not applicable |
| Protective equipment | Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. |



6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions | Use personal protective equipment. Ensure adequate ventilation. |
| Environmental precautions | Do not allow to enter surface/ sewers or ground water. Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). |

7. HANDLING AND STORAGE

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| Handling | No special measures are required for safe handling of this product. |
| Storage | No special precautions required. Store at -20°C. |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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| Engineering measures | Not required, see section 7. |
| Personal protective equipment | |
| Respiratory protection | Not required. |
| Hand protection | Protective gloves. |
| Eye protection | Protective goggles. |
| Skin and body protection | Appropriate protective clothing. |
| Hygiene measures | Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Form | Solution |
| Color | Colorless |
| Odour | Not defined |
| Ph value | 7.0-7.5 |
| Boiling point | Undetermined |
| Melting point | Undetermined |
| Flash point | Not applicable |
| Autoflammability | Not applicable |
| Explosion hazard | Not applicable |
| Vapour pressure | No information available |
| Relative density | No information available |
| Water solubility | Easily soluble |

10. STABILITY AND REACTIVITY

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| Conditions to avoid | None, if used according to specifications |
| Materials to avoid | Strong oxidizing agents, acids and alkali |
| Hazardous decomposition products | No dangerous decomposition products known |



11. TOXICOLOGICAL INFORMATION

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| Routes of exposure: | |
| Inhalation | Material may be irritating to mucous membranes and upper respiratory tract. |
| Skin contact | May cause skin irritation |
| Eye contact | May cause eye irritation |
| Sensitization | Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals |
| Additional toxicological information | When used and handled according to specifications, the product does not have any harmful effects to our experience |

12. ECOLOGICAL INFORMATION

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| Mobility | No data available |
| Degradability | Inherently biodegradable |
| Accumulation | Does not bioaccumulate |
| Ecotoxicity | This product is slightly hazardous for water Do not allow product to reach ground water, water course or sewage system |

13. DISPOSAL CONSIDERATIONS

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| Waste handling and disposal | Waste must be disposed of in accordance with federal, state and local environmental control regulations. |
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14. TRANSPORT INFORMATION

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| Land transport ADR/RID (cross-border) | |
| ADR/RID class | no |
| Air transport ICAO-TI and IATA-DGR | |
| ICAO/IATA class | no |
| Additional information | This substance is considered to be non-hazardous for transport |

15. REGULATORY INFORMATION

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| Labelling according to EU guidelines | This product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials. OSHA Hazards: None known. |
| US Classification and Label Test | US Statements: Caution. Avoid contact and inhalation. United States Regulatory Information: Sara Listed: No |

16. OTHER INFORMATION

This information is based on our present knowledge and shall be used only as a guide. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Amplyus LLC is not held liable for any damage resulting from handling or from contact with the above mentioned products.