



## SAFETY DATA SHEET

### Primer Mix - N

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

Product identifier

Product name Primer Mix - N

Product number 10006967

Recommended use of the chemical and restrictions on use

Uses advised against No specific uses advised against are identified.

Details of the supplier of the safety data sheet

Supplier Integrated DNA Technologies  
1710 Commercial Park  
Coralville Iowa, 52241

41 Science Park Road  
#01-28 The Gemini  
Singapore Science Park II  
Singapore 117610  
Republic of Singapore

Interleuvenlaan 12A  
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6828 Nancy Ridge Drive  
San Diego, California 92121  
USA  
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Manufacturer Integrated DNA Technologies  
1710 Commercial Park  
Coralville Iowa, 52241

41 Science Park Road  
#01-28 The Gemini  
Singapore Science Park II  
Singapore 117610  
Republic of Singapore

Interleuvenlaan 12A  
B-3001 Leuven  
Belgium

6828 Nancy Ridge Drive  
San Diego, California 92121  
USA  
custcare@idtdna.com

Emergency telephone number

Emergency telephone ChemTrec 800-424-9300

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### 2. Hazard(s) identification

#### Classification of the substance or mixture

OSHA Regulatory Status            This Product is Not Hazardous under the OSHA Hazard Communication Standard.

Physical hazards                    Not Classified

Health hazards                      Not Classified

Environmental hazards            Not Classified

#### Indeling (classification)

THIS PRODUCT IS CONSIDERED NON-HAZARDOUS. Per OSHA 29CFR1910.1200, Commonwealth of Australia [NOHSC: 1005, 1008(1999)], and the latest amendments to the European Union Directives (EC) No 1907/2006 and (EC) No 2015/830, this product does not require a Material Safety Data Sheet (MSDS) or Safety Data Sheet (SDS). This product does not contain more than 1% of a component classified as hazardous and does not contain more than 0.1% of a component classified as carcinogenic. This product is non-hazardous according to Regulation (EC) No 1272/2008. Despite the classification of certain products/components as non-hazardous, we strongly recommend using prudent laboratory practices: avoiding unnecessary contact and use of personal protective equipment, which may include gloves, eye protection, and lab coats, during the use of any laboratory reagent. IDT shall not be held liable for any damages resulting from handling or from contact with the above product.

#### Label elements

Hazard statements                  NC Not Classified

#### Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

### 3. Composition/information on ingredients

#### Substances

Product name                        Primer Mix - N

### 4. First-aid measures

#### Description of first aid measures

General information                If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.

Inhalation                            No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.

Ingestion                             No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get medical attention if any discomfort continues.

Skin Contact                         No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.

Eye contact                          Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

Protection of first aiders         Use protective equipment appropriate for surrounding materials.

#### Most important symptoms and effects, both acute and delayed

General information                The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation                            No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion                             No specific symptoms known. May cause discomfort if swallowed.

Skin contact                         No specific symptoms known. May cause discomfort.

Eye contact                          No specific symptoms known. May be slightly irritating to eyes.

#### Indication of immediate medical attention and special treatment needed

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Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.

### 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up.
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Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.
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#### Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapors. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak.
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Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.
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### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Personal precautions	No specific recommendations. For personal protection, see Section 8.
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#### Environmental precautions

Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
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#### Methods and material for containment and cleaning up

Methods for cleaning up	Reuse or recycle products wherever possible. Absorb spillage to prevent material damage. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.
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Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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### 7. Handling and storage

#### Precautions for safe handling

Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists.
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Advice on general occupational hygiene	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.
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#### Conditions for safe storage, including any incompatibilities

Storage precautions	Store away from incompatible materials (see Section 10). No specific recommendations.
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Storage class	Unspecified storage.
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#### Specific end uses(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.
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### 8. Exposure controls/Personal protection

Exposure controls

Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	Wear eye protection.
Hand protection	Wear protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure controls	Not regarded as dangerous for the environment.

### 9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Solid.
Color	Translucent or opaque flake, film or powder like substance
Odor	Odorless.
Odor threshold	Not available.
pH	Not available.
Melting point	Not available.
Initial boiling point and range	Not available.
Flash point	No specific test data are available.
Evaporation rate	Not available.
Evaporation factor	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not available.
Other flammability	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Bulk density	Not available.
Solubility(ies)	Not available.
Partition coefficient	Not available.
Auto-ignition temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.

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Explosive properties	Not available.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidizing properties	Not available.

### 10. Stability and reactivity

Reactivity	See the other subsections of this section for further details.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

Toxicological effects	Not regarded as a health hazard under current legislation.
Acute toxicity - oral Notes (oral LD <sub>50</sub> )	Based on available data the classification criteria are not met.
Acute toxicity - dermal Notes (dermal LD <sub>50</sub> )	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Notes (inhalation LC <sub>50</sub> )	Based on available data the classification criteria are not met.
Skin corrosion/irritation Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitization Respiratory sensitization	Based on available data the classification criteria are not met.
Skin sensitization Skin sensitization	Based on available data the classification criteria are not met.
Germ cell mutagenicity Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.

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Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

No specific symptoms known. Spray/mists may cause respiratory tract irritation.

Ingestion

No specific symptoms known. May cause discomfort if swallowed.

Skin Contact

No specific symptoms known. May cause discomfort.

Eye contact

No specific symptoms known. May be slightly irritating to eyes.

Route of exposure

Ingestion Inhalation Skin and/or eye contact

Target Organs

No specific target organs known.

## 12. Ecological information

Ecotoxicity

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity

Based on available data the classification criteria are not met.

Persistence and degradability

Persistence and degradability

The degradability of the product is not known.

Bioaccumulative potential

Bio-Accumulative Potential

No data available on bioaccumulation.

Partition coefficient

Not available.

Mobility in soil

Mobility

No data available.

Other adverse effects

Other adverse effects

None known.

## 13. Disposal considerations

Waste treatment methods

General information

The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.

Disposal methods

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

## 14. Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

UN Number

UN No. (International)

Not applicable.

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UN No. (DOT)	Not applicable.
UN No. (IATA)	Not applicable.
UN proper shipping name	
Proper shipping name (International)	Not applicable.
Proper shipping name (DOT)	Not applicable.
Proper Shipping Name (IATA)	Not applicable.
Transport hazard class(es)	
Transport Labels (International)	No transport warning sign required.
IATA Hazard Class	Not applicable.
DOT transport labels	
	No transport warning sign required.
Packing group	
Packing group (International)	Not applicable.
DOT packing group	Not applicable.
IATA Packing Group	Not applicable.
Environmental hazards	
Environmentally Hazardous Substance	
	No.
Special precautions for user	
	Not applicable.
DOT reportable quantity	Not applicable.
DOT TIH Zone	Not applicable.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

### 15. Regulatory information

#### US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities  
None of the ingredients are listed or exempt.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)  
None of the ingredients are listed or exempt.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities  
None of the ingredients are listed or exempt.

SARA 313 Emission Reporting  
None of the ingredients are listed or exempt.

CAA Accidental Release Prevention  
None of the ingredients are listed or exempt.

FDA - Essential Chemical  
None of the ingredients are listed or exempt.

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### FDA - Precursor Chemical

None of the ingredients are listed or exempt.

### SARA (311/312) Hazard Categories

None of the ingredients are listed or exempt.

### OSHA Highly Hazardous Chemicals

None of the ingredients are listed or exempt.

### US State Regulations

#### California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed or exempt.

#### California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed or exempt.

#### California Directors List of Hazardous Substances

None of the ingredients are listed or exempt.

#### Massachusetts "Right To Know" List

None of the ingredients are listed or exempt.

#### Rhode Island "Right To Know" List

None of the ingredients are listed or exempt.

#### Minnesota "Right To Know" List

None of the ingredients are listed or exempt.

#### New Jersey "Right To Know" List

None of the ingredients are listed or exempt.

#### Pennsylvania "Right To Know" List

None of the ingredients are listed or exempt.

### Inventories

#### US - TSCA

None of the ingredients are listed or exempt.

#### US - TSCA 12(b) Export Notification

None of the ingredients are listed or exempt.

## 16. Other information

Abbreviations and acronyms used in the safety data sheet TDG: The transport of dangerous goods act

IATA: International air transport association.  
ICAO: Technical instructions for the safe transport of dangerous goods by air.  
IMDG: International maritime dangerous goods.  
CAS: Chemical abstracts service.  
ATE: Acute toxicity estimate.  
LC<sub>50</sub>: Lethal concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal dose to 50% of a test population (median lethal dose).  
EC<sub>50</sub>: 50% of maximal effective concentration.  
PBT: Persistent, bioaccumulative and toxic substance.  
vPvB: Very persistent and very bioaccumulative.



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Training advice	Only trained personnel should use this material.
Revision date	6/5/2020
Revision	1
SDS No.	4717

The information in this safety data sheet is, to the best of our knowledge, correct as of the date it was issued. We do not guarantee that this safety data sheet includes all the information necessary for your intended use. You (the user) are responsible for determining whether this material or product is suitable for your particular purpose.