



Safety Data Sheet

DNA Isolation Kit for Blood

Section 1: Identification

Product	Details	5
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Product Identifier:
 DNA Isolation Kit for Blood

Catalog Number: DNA1B

– Component Names:

Buffer BL Buffer BN Buffer BE

Manufacturer: MatMaCorp

6400 Cornhusker Highway

Suite 300

Lincoln Nebraska, 68507 United States of America

+1(402)742-0357

Further information obtainable from:
 MatMaCorp Sales & Support

+1(402)387-7900

Recommended use:
 For research use only.

Section 2: Hazards Identification

Classification

- Oxidizing solids (Category 1) H271
- Acute toxicity, Oral (Category 4) H302
- Specific target organ toxicity, Repeated exposure (Category 2) H373

Hazard Statements

- May cause fire or explosion; strong oxidiser H271
- Harmful if swallowed H302



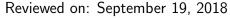
- Causes serious eye irritation H319
- May cause damage to organs through prolonged or repeated exposure H373

Precautionary Statements

- Wear protective gloves/protective clothing/eye protection/face protection P280
- Keep away from heat P210
- Wash skin thoroughly after handling P264
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing - P305+P351+P338
- IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell P301+P312+P314
- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. P370+P378
- Dispose of contents/ container to an approved waste disposal plant P501

Signal Word: WARNING







Section 3: Information on Ingredients

BL Buffer

Components	CAS Number	Composition (w/w)
Sodium Perchlorate	7601-89-0	5-50%
Glycine	56-40-6	Less than 1%

BN Buffer

Components	CAS Number	Composition (w/w)
EGTA	67-42-5	1-5%
EDTA	60-00-4	1-5%

BE Buffer

Components	CAS Number	Composition (w/w)
Tris	77-86-1	Less than 1%

Section 4: First-Aid Measures

- General advice- Consult a physician. Show this safety data sheet to the doctor in attendance.
- Eye contact- Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.
 Consult a physician
- Skin contact- Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician
- Inhalation- Move to fresh air. If not breathing, give artificial respiration or oxygen
- Ingestion- Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth.
 Clean mouth with water and afterwards drink plenty of water.
- Treat symptomatically

Section 5: Fire-Fighting Measures

Suitable extinguishing media:
 Use water spray, alcohol-resistant foam, dry chemical

or carbon dioxide

Special hazards:
 No information available

Advice for firefighters:
 Wear self-contained breathing apparatus for

firefighting if necessary

- Hazardous combustion products: Carbon oxides, Nitrogen oxides (NOx)

 Further information: Use water spray to cool unopened containers

Section 6: Accidental Release Measures

 Personal Precautions: Avoid contact with skin, eye and clothing. Use

personal protective equipment.

– Methods for Containment: Prevent further leakage or spillage if safe to do so.

 Methods for Cleaning up: Cover with dry lime or soda ash. Wash spill site after

material pickup is complete.

Section 7: Handling and Storage

Precautions for Safe Handling

- Handle in accordance with good industrial hygiene and safety practice

Avoid contact with skin and eyes

- Keep away from heat, sparks and open flame, no smoking

Conditions for Safe Storage

- Keep containers tightly closed in a dry, cool and well-ventilated place near room temperature.
- Protect from moisture.

Section 8: Exposure Controls and Personal Protection

Personal Protective Equipment (PPE)

- Eve and Face Protection
 - Avoid contact with eyes. Wear safety glasses.
- Respiratory Protection
 - If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
- Skin and Body Protection
 - Wear protective gloves.
- Hygiene Measures
 - Handle in accordance with good industrial hygiene and safety practice
 - Wash hands before breaks and at the end of the workday



Section 9: Physical and Chemical Properties

Appearance: Colorless

- Physical State: Liquid

Upper/lower flammability limits:
 No data available

Odor:
 No data available

Vapor pressure:
 No data available

– Odor threshold: No data available

Vapor density:
 No data available

– pH: No data available

Relative density:
 No data available

Melting point/freezing point:
 No data available

Solubility:
 No data available

Initial boiling point and boiling range:
 No data available

Flash point:No data available

Evaporation rate:No data available

Flammability:
 No data available

Partition coefficient: n-octanol/water:
 No data available

Auto-ignition temperature:
 No data available

Decomposition temperature:
 No data available

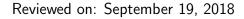
Viscosity:
 No data available

Section 10: Stability and Reactivity

Chemical Stability:
 Stable under recommended storage conditions

Reactivity:
 None under normal processing

Conditions to avoid:
 Protect from moisture and excessive heat





- Materials to avoid: Oxides, acids, anhydrides, azides, halogens,

peroxides, permanganates, amines, nitro compounds, organic materials, magnesium,

and copper

Hazardous Decomposition Products:
 Carbon oxides, Nitrogen oxides

Section 11: Toxicological Information

Acute Toxicity

No Information Available

Skin Irritation

- No Information Available

Carcinogenicity

- No Information Available

Target Organ Effects

- No Information Available

Section 12: Ecological Information

Ecotoxicity

Toxic to fish:
 No data available

- Toxic to Crustacea: No data available

Bioaccumulative potential:
 No data available

Persistence and degradability:
 No data available

Section 13: Disposal Considerations

Waste Disposal Method:
 Dispose of material in accordance with all federal,

state and local regulations

Contaminated Packaging:
 Do not re-use empty containers

Reviewed on: September 19, 2018

Section 14: Transport Information

- DOT: Not Regulated

– IATA: Not Regulated

Section 15: Regulatory Information

- Sara 311/312 Hazards: Acute Health Hazard

Massachusetts Right to Know Components:
 Sodium perchlorate

Pennsylvania Right to Know Components:
 Sodium perchlorate

New Jersey Right to Know Components:
 Sodium perchlorate

California Prop 65 Components:
 This product does not contain any chemicals

known to the State of California to cause

cancer, birth defects, or any other reproductive

harm.

Section 16: Other Information

The above information is believed to be correct but does not claim to be all inclusive. This document shall be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. MatMaCorp shall not be held liable for any damage resulting from handling or from contact with the above product.