

Safety Data Sheet

DNA Isolation Kit for Blood

Section 1: Identification

Product Details

- 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 (NO_x)
- 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)

- Eye 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

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.