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Products For Health Care

Material Safety Data Sheet

BLOOD UREA NITROGEN

Date: April 8, 2008 Emergency Phone 781-275-4892

**** SECTION 1 – Product Identification ****

MSDS Name: **Blood Urea Nitrogen**
Catalog Number: 10202-4
Synonyms: BUN

**** SECTION 2 – Hazards Identification****

For In Vitro Diagnostic Use Only

Appearance and Odor	Clear, odorless solution	**Melting Point**	N/A
Flashpoint	N/A	**Vapor Density**	Not Determined
Vapor Pressure	Not Determined	**Solubility in Water**	Soluble in water
Specific Gravity	1.0458		

In compliance with OSHA Hazard Communication Standard (29 CFR 1910.1200), a chemical is considered hazardous if it contains 1.0% or more of a hazardous compound or 0.1 % or more of a carcinogen. The product does NOT contain hazardous material(s) in excess of these amounts. Therefore, no MSDS is required under the standard.

**** SECTION 3 – Composition, Information on Ingredients ****

Ingredient Name	CAS #	EINECS #	Concentration
α-Ketoglutarate			14 mM
Urease (botanical)			> 50 KU/L
GLDH (mammal)			> 12 KU/L
Adenosine diphosphate	58-64-0	200-392-5	5.0 mM
NADH analog			0.2. mM

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**** SECTION 4 – First Aid Measures ****

Inhalation: Provide fresh air. Restore or support breathing. Keep victim warm and quiet. Get medical attention.

Eyes: Flush eyes, including under the eyelids with water for 15 minutes. Get medical attention.

Skin: Flush skin with water for 15 minutes. Wash the affected area thoroughly with soap and water. Remove any contaminated clothing. Get medical attention if irritation develops or persists.

Ingestion: Drink large quantities of water or milk. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get medical attention.

**** SECTION 5 – Fire fighting measures ****

General Information: Blood Urea Nitrogen Reagent is not flammable

**** SECTION 6 – Accidental Release Measures ****

Ventilate the area. Absorb spill with inert material (dry sand, vermiculite, absorptive pads, etc.). After absorption, put the material into a container for disposal. Wash the area after material has been removed. Dispose of the material in a way that is consistent with federal, state and local regulation.

**** SECTION 7 –Handling and Storage****

Handling: Avoid prolonged or repeated contact with skin. Do not ingest.
Storage: Store at 2- 8 °C until the expiration date listed on the label.

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**** SECTION 8 – Exposure Controls / Personal Protection ****

Wear suitable gloves
Avoid contact with skin and eyes
Keep unused container tightly closed

**** SECTION 9 – Physical and Chemical properties ****

Physical State:	Liquid
Appearance:	Clear
Odor:	Odorless
PH:	8.0
Specific Gravity:	1.0458
Viscosity:	N/A
Boiling Point:	N/A
Freezing/Melting Point:	N/A
Solubility:	Water-soluble
Molecular Formula:	Mixture
Molecular weight:	N/A

**** SECTION 10 –Stability and Reactivity ****

Chemical Stability:	Stable
Conditions to avoid:	Data not available
Incompatibilities with other chemicals:	Data not available
Hazardous Decomposition Products:	Data not available
Hazardous Polymerization:	Has not been reported

**** SECTION 11 –Toxicological information ****

Chronic Effects:	Data not available
Other health hazards:	Data not available

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**** SECTION 12 –Ecological Information ****

Data not available

**** SECTION 13 –Disposal Considerations ****

Reagent contains sodium azide as a preservative. Accumulations of azide may react with copper or lead plumbing to form explosive compounds on percussion. Flush drains with copious amounts of water to prevent build up.
Dispose of materials in a manner consistent with federal, state, and local regulations.

**** SECTION 14 – Transport Information ****

May be transported freely

**** SECTION 15 – Regulatory Information ****

US Federal Regulations:
This preparation is a component of an FDA-regulated in vitro diagnostic device. Additionally, the MSDS contains all the hazard criteria and information required by the Controlled Products Regulation (CPR).

RISK PHRASES none required

SAFETY PHRASES S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

**** SECTION 16 – Additional Information ****

This MSDS has been prepared in accordance with the ANZI Z400.1 format. Every effort has been made to adhere to the hazard criteria and content requirement of the US OSHA Communication Standard, European Communities Safety Data Sheets Directive, Canadian Controlled Products Regulations, UK Chemical Hazard Information and Packaging Regulations and UN Globally Harmonized System of Classification and Labeling of Chemicals.

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