biokit USA inc.

101 Hartwell Avenue
Lexington, MA 02421

MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION

Catalog Number(s)	Chemical/Common Name	Formula	Hazardous
300024001	Rubagen 100Test	Mixture	No
300024002	Rubagen 500Test		

. MSDS Coordinator
Telephone Number: (781) 861-4066

Revised: 2/16/06 **Emergency Phone: (800) 926-3353**

SECTION II: HAZARDOUS INGREDIENTS

COMPONENTS

Control Sera - Positive and negative
The positive and negative controls are prepared from human source materials and found to be negative for the presence of HIV-l and Hepatitis B Surface antigen (HBsAG) by an FDA approved method. Because no test method can offer complete assurance that human T-lymphotropic virus type III (HIV), Hepatitis B virus, or other infectious agents are absent, this product should be handled at Biosafety Level 2 as recommended for any potentially infectious human serum or blood specimen as outlined in the *Center for Disease Control/National Institutes of Health manual* - "Biosafety in Microbiological and Biomedical Laboratories; 1984."

Rubella Latex Reagent
Suspension of polystyrene latex particles coated with soluble rubella virus antigen from disrupted virus in a buffer.

Dilution Buffer
Phosphate buffered saline containing bovine serum albumin.

Pursuant to OSHA's *Hazardous Communications Standard* 29 CFR 1910.1200, these components are not considered to contain hazardous materials. They do, however, contain 0.1% sodium azide as a preservative for which we are providing a Material Safety Data Sheet.

Sodium Azide **CAS-Number:** 26628-22-8

Trade Names/Synonyms	Chemical Family	Molecular Formula	Molecular Weight
Azlum; Azide; Kazoe	Inorganic Salt	NaN_3	65.01

SECTION III: PHYSICAL DATA

Appearance	Melting Point	Specific Gravity	Solubility In Water
Colorless Crystalline Solid	275°C (527°F) decomposes	1.8 (water = 1.0)	400mg/mL

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media

Sand, sodium chloride, sodium carbonate, dry chemical powder; do not use water.

Special Firefighting Procedures

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards

Container explosion may occur under fire conditions. Emits toxic fumes under fire conditions.

SECTION V: REACTIVITY DATA

Stability

Unstable

Conditions to Avoid

- Avoid contact with metals and acids
- Explodes when heated
- May be shock sensitive

Incompatibilities

- Acid chlorides
- Nitrogen oxides
- Azide reacts with many heavy metals such as lead, copper, mercury, silver and gold to form explosive compounds. Copper and lead azides are more sensitive than nitroglycerin. Azide reacts with metal halides to give a range of metal azide halides, many of which are explosive. Incompatible with chromyl chloride, hydrazine, bromine, carbon disulfide, dimethyl sulfate, dibromomalonitrile.

Hazardous Combustion or Decomposition Products

Toxic fumes of Nitrogen oxides

Hazardous Polymerization

Will not occur

SECTION VI: HEALTH HAZARDS

Rubagen is intended for IN VITRO diagnostic use only.

Carcinogen Status

None....Sodium azide is a strong skin and mucous membrane irritant and poison. Contact may produce skin burns. Poisoning from inhalation or ingestion may result in anesthetic symptoms such as headache, dizziness, faintness, somnolence, and unconsciousness. Serious poisonings may be fatal.

First Aid

- In case of exposure, obtain medical attention immediately. If ingested, give large quantities of water and induce vomiting.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes and call a physician. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

Ventilation

Provide local exhaust ventilation system to meet permissible exposure limits.

Respiration

High Levels...Supplied-air respirator with a full face piece, helmet or hood. Self-contained breathing apparatus with a full facepiece.

Firefighting

Self-contained breathing apparatus with full face piece operated in a pressure demand or other positive-pressure mode.

Clothing

Protective clothing not required. Avoid repeated or prolonged contact with this substance.

Gloves

Employee must wear appropriate protective gloves to prevent contact with this substance.

Eye Protection

Employee must wear splash-proof or dust-resistant safety goggles and a face shield to prevent contact with this substance.

SECTION VIII: CONTROL MEASURES

Contain spill with absorbent material and place in appropriate container. Wash and disinfect spill site after clean-up.

SECTION IX: ADDITIONAL COMMENTS

Store 2°-8°C

Employers should use this information as a supplement to other information gathered by them and should make independent judgment of the suitability of this information to ensure proper use and to protect the health and safety of employees. This information is provided without warranty and any use of this product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process is the responsibility of the user. Fisher HealthCare and Biokit USA, Inc. shall not be held liable for any damage resulting from the handling or use of this product.

MANUAL - SAFETY **DATE REVIEWED** _____ **INITIALS** _____	**LOCATION/ DEPARTMENT** _____ **FORM NO.** _____	**ISSUE DATE** _____ **SUPERSEDES MSDS** **FORM NO.** _____ **DATED** _____