



Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**1 Identification of substance:**

- **Product name:** Reagent A - Latex Antigen  
[Rubascan Test Kit]
- **Catalog number:** 261701
- **Manufacturer/Supplier:**  
BD Diagnostic Systems  
7 Loveton Circle  
Sparks, MD 21152  
Telephone: (410) 771-0100 or (800) 638-8663
- **Information department:** Technical services
- **Emergency information:**  
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800) 638-8663, or ChemTrec at (800) 424-9300.

**2 Composition/Data on components:**

- **Chemical characterization:**
- **CAS No. Description:**  
Not applicable
- **Chemical characterization**
- **Description:** Mixture consisting of the following components.

· <b>Dangerous components:</b>	
26628-22-8 sodium azide	0.2%

**3 Hazards identification**

- **Hazard description:**



Xn Harmful

- **Information pertaining to particular dangers for man and environment**  
R 22 Harmful if swallowed.
- **Classification system**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NEPA ratings (scale 0-4)**



Health = 2  
Fire = 0  
Reactivity = 0

**4 First aid measures**

- **General information**  
Symptoms of poisoning may even occur after several hours; therefore provide medical observation for at least 48 hours after the accident.

(Contd. on page 2)



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**Product name: Reagent A - Latex Antigen**  
**(RubaScan Test Kit)**

(Contd. of page 1)

- After inhalation Supply fresh air; consult doctor in case of complaints.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- After swallowing Immediately call a doctor.
- Information for doctor Show this product label or this MSDS.

**5 Fire fighting measures**

- Suitable extinguishing agents  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment: No special measures required.

**6 Accidental release measures**

- Person-related safety precautions: Not required.
- Measures for environmental protection: Wipe up with damp sponge or mop.
- Measures for cleaning/collecting: No special measures required.
- Additional information:  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- Handling
  - Information for safe handling: Ensure good ventilation/exhaustion at the workplace.
  - Information about protection against explosions and fires: No special measures required.
- Storage
  - Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
  - Information about storage in one common storage facility:  
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.
  - Further information about storage conditions: Store in cool, dry conditions in well sealed containers.

**8 Exposure controls and personal protection**

- Additional information about design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the workplace:

26628-22-8 sodium azide

REL	Short-term value: C 0.3** mg/m <sup>3</sup> , C 0.1* ppm *as HN <sub>3</sub> vapor; **as NaN <sub>3</sub>
-----	--

TLV	Short-term value: C 0.29** mg/m <sup>3</sup> , C 0.11* ppm *as HN <sub>3</sub> vapor; **as NaN <sub>3</sub>
-----	--

- Additional information: The lists that were valid during the creation were used as basis.

(Contd. on page 3)



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**Product name: Reagent A - Latex Antigen**  
**(RubaScan Test Kit)**

(Contd. of page 2)

- **Personal Protective Equipment**
- **General protective and hygienic measures**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:**  
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.
- **Protection of hands:**



Chemical resistant gloves (i.e. nitrile, or equivalent).

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing (lab coat).

**9 Physical and chemical properties:**

· **General Information**

<b>Form:</b>	Liquid
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic

· **Change in condition**  
Melting point/Melting range: Not determined  
Boiling point/Boiling range: Not determined

· **Flash point:** Not applicable

· **Danger of explosion:** Forms very sensitive explosive metallic compounds.

· **Density:** Not determined

· **Solubility in / Miscibility with**  
Water: Soluble

**10 Stability and reactivity**

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Materials to be avoided:**  
Incompatible materials: acidic material and metals  
Incompatible material: strong oxidizers.
- **Dangerous products of decomposition:** Nitrogen oxides (NO<sub>x</sub>)
- **Additional information:**  
Sodium azide is present in this product. Contact with acidic solutions and metal compounds over time may form potentially explosive metal azides. Should any of this material be introduced into a sanitary sewer system, flush with copious amounts of water.

USA

(Contd. on page 4)



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**Product name: Reagent A - Latex Antigen**  
**(RubaScan Test Kit)**

(Contd. of page 3)

**11 Toxicological information**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

26628-22-8 sodium azide

Oral | LD50 | 27 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** No irritating effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Subacute to chronic toxicity:** Target organs: nerves and heart

· **Additional toxicological information:**

Harmful

The product shows the following dangers according to internally approved calculation methods for preparations:

This product or product container contains dry natural rubber latex.

**12 Ecological information:**

· **Ecotoxicological effects:**

· **Other information:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

· **General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**13 Disposal considerations**

· **Product:**

· **Recommendation**

Smaller quantities can be disposed of with solid waste.

This product is not considered a RCRA hazardous waste.

Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to state and federal regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**14 Transport information**

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

(Contd. on page 5)



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**Product name: Reagent A - Latex Antigen**  
(RubaScan Test Kit)

(Contd. of page 4)

- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

**15 Regulations**

- SARA Section 355 (extremely hazardous substances)

26628-22-8 | sodium azide

- SARA Section 313 (specific toxic chemical listings)

26628-22-8 | sodium azide

- TSCA (Toxic Substances Control Act)

26628-22-8 | sodium azide

- California Proposition 65 - Chemicals known to cause cancer

None of the ingredients is listed.

- California Proposition 65 - Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

- California Proposition 65 - Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

- California Proposition 65 - Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

- Carcinogenicity categories

- IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

- NTP (National Toxicology Program)

None of the ingredients is listed.

- TLV (Threshold Limit Value established by ACGIH)

26628-22-8 | sodium azide

A4

- Product related hazard information:

The product has been classified and marked in accordance with regulations on hazardous materials.

- Hazard symbols:

Xn Harmful

- Hazard-determining components of labeling:

sodium azide

- Risk phrases:

22 Harmful if swallowed.

- Safety phrases:

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

36 Wear suitable protective clothing.

(Contd. on page 6)



**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Page 6/6

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

**Product name: Reagent A - Latex Antigen**  
**(RubaScan Test Kit)**

46 If swallowed, seek medical advice immediately and show this container or label.

(Contd. of page 5)

**16 Other information:**

*To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we can not guarantee that these are the only hazards that exist.*

- **Department issuing MSDS:**  
Safety and Environment Department
- **MSDS created by** Michael J. Spinazzola
- **Contact:** Technical Service Representative

USA