

03/02/2015

### Kit Components

| Product code  | Description                      |
|---------------|----------------------------------|
| <b>276909</b> | <b>RPR Liquids Control (Kit)</b> |

#### Components:

|         |                                            |
|---------|--------------------------------------------|
| 276909a | Reactive (++), RPR Liquid Controls         |
| 276909b | Minimal Reactive (+), RPR Liquid Controls  |
| 276909c | Negative Reactive (-), RPR Liquid Controls |

**Safety Data Sheet**  
acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**1 Identification**

- **Product Identifier**
- **Product Name:** Reactive (++), RPR Liquid Controls  
(RPR Liquids Control Kit)
- **Catalog Number:** 276909
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** In-vitro Diagnostics
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BD Diagnostic Systems  
7 Loveton Circle  
Sparks, MD 21152  
Telephone: (410) 771 - 0100 or (800) 638 – 8663  
Email Address: [Technical\\_Services@bd.com](mailto:Technical_Services@bd.com)
- **Information Department:** Technical Service
- **Emergency telephone number:**  
In case of a chemical emergency, spill, fire, exposure, or accident, contact BD Diagnostic Systems (410) 771-0100 or (800)-638-8663, or ChemTrec at (800) 424-9300.

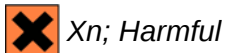
**2 Hazard(s) identification**

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



R22: 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.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
sodium azide

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US

# Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

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- Hazard statements**

H302 Harmful if swallowed.

- Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- NFPA ratings (scale 0-4)**



Health = 2

Flammability = 0

Reactivity = 0

- HMIS ratings (scale 0-4)**



Health = 2

Flammability = 0

Reactivity = 0

- Other hazards**

- Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 3 Composition/information on ingredients

- Chemical characterization: Mixture**

**Description:** Mixture consisting of the following components.

- Dangerous Components:**

|                   |              |                  |      |
|-------------------|--------------|------------------|------|
| CAS: 26628-22-8   | sodium azide | T+ R28; N R50/53 | 0.1% |
| EINECS: 247-852-1 |              | R32              |      |

**Additional information** Risk phrases refer to section 15.

## 4 First-aid measures

- Description of 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.

**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.

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**Safety Data Sheet**  
acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls**  
**(RPR Liquids Control Kit)**

(Contd. of page 2)

- **Information for doctor** Show this product label or this SDS.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Wipe up with damp sponge or mop.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Absorb spills using disposable towels or absorbant material. Wear gloves during spill cleanup. Disinfect area with bleach (hypochlorite solution) for at least 15 minutes, or an approved disinfectant for labeled contact time, then wipe clean. Contain absorbant waste in biohazardous bag.
- **Reference to other sections**  
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**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 8 °C
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

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Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

- **Control parameters**

- **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.
- **Exposure controls**
- **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.  
Use a Biological Safety Cabinet.
- **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

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Liquid
  - Color:** Yellowish
  - Odor:** Characteristic

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US



# Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

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- **Change in condition**  
**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined
- **Flash point:** Not applicable
- **Auto igniting:** Product is not self igniting.
- **Danger of explosion:** Forms very sensitive explosive metallic compounds.
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Soluble
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Nitrogen oxides (NOx)
- **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.

## 11 Toxicological information

- **Information on toxicological effects**
- **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.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful

This product contains human blood, serum, or cells, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using FDA approved methods and found negative for Human Immunodeficiency Virus (HIV-1/HIV-2), Hepatitis B Surface

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## Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

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Antigen (HBSAG), and antibody to Hepatitis C Virus (HCV). However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC and FDA recommendations and OSHA Bloodborne Pathogen recommendations.

This product contains, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using approved methods and has been found negative for infectious diseases. However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC, OSHA Bloodborne Pathogen recommendations, and the European Directive 90/679/EC.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Other information:**

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of with solid waste.

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**Product Name: Reactive (++), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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After the product is used, disinfect with bleach (sodium hypochlorite), or an approved disinfectant, or incinerate, or autoclave at 121 C for at least 15 minutes before disposing.  
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

- |                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| · <b>UN-Number</b>                                                               |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               | Void            |
| · <b>UN proper shipping name</b>                                                 |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               | Void            |
| · <b>Transport hazard class(es)</b>                                              |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               |                 |
| · <b>Class</b>                                                                   | Void            |
| · <b>Packing group</b>                                                           |                 |
| · <b>DOT, ADR, IMDG, IATA</b>                                                    | Void            |
| · <b>Environmental hazards:</b>                                                  |                 |
| · <b>Marine pollutant:</b>                                                       | No              |
| · <b>Special precautions for user</b>                                            | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                                  | -               |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

### · **SARA Section 355 (extremely hazardous substances)**

26628-22-8 sodium azide

### · **SARA Section 313 (specific toxic chemical listings)**

26628-22-8 sodium azide

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US

# Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

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· **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.

· **Carcinogenic categories**

· **TLV (Threshold Limit Value established by ACGIH)**

26628-22-8 sodium azide

A4

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

sodium azide

· **Hazard statements**

H302 Harmful if swallowed.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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

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## Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Reactive (++) , RPR Liquid Controls  
(RPR Liquids Control Kit)**

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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.

· **Date of preparation / last revision** 03/02/2015 / 1

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

US

**Safety Data Sheet**  
acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**1 Identification**

- **Product Identifier**
- **Product Name:** Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)
- **Catalog Number:** 276909
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** In-vitro Diagnostics
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BD Diagnostic Systems  
7 Loveton Circle  
Sparks, MD 21152  
Telephone: (410) 771 - 0100 or (800) 638 – 8663  
Email Address: Technical\_Services@bd.com
- **Information Department:** Technical Service
- **Emergency telephone number:**  
In case of a chemical emergency, spill, fire, exposure, or accident, contact BD Diagnostic Systems (410) 771-0100 or (800)-638-8663, or ChemTrec at (800) 424-9300.

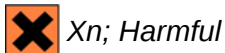
**2 Hazard(s) identification**

- **Classification of the substance or mixture**



Acute Tox. 4 H302 Harmful if swallowed.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



R22: 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.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
sodium azide

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US

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Minimal Reactive (+), RPR Liquid Controls  
 (RPR Liquids Control Kit)**

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**· Hazard statements**

H302 Harmful if swallowed.

**· Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· NFPA ratings (scale 0-4)**


Health = 2

Flammability = 0

Reactivity = 0

**· HMIS ratings (scale 0-4)**


Health = 2

Flammability = 0

Reactivity = 0

**· Other hazards**
**· Results of PBT and vPvB assessment**
**· PBT:** Not applicable.

**· vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixture**
**· Description:** Mixture consisting of the following components.

**· Dangerous Components:**

|                   |              |                  |      |
|-------------------|--------------|------------------|------|
| CAS: 26628-22-8   | sodium azide | T+ R28; N R50/53 | 0.1% |
| EINECS: 247-852-1 |              | R32              |      |

**· Additional information** Risk phrases refer to section 15.

### 4 First-aid measures

**· Description of 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.

**· 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.

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**Safety Data Sheet**  
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Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)**

(Contd. of page 2)

- **Information for doctor** Show this product label or this SDS.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Wipe up with damp sponge or mop.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Absorb spills using disposable towels or absorbant material. Wear gloves during spill cleanup. Disinfect area with bleach (hypochlorite solution) for at least 15 minutes, or an approved disinfectant for labeled contact time, then wipe clean. Contain absorbant waste in biohazardous bag.
- **Reference to other sections**  
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**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 8 °C
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

(Contd. on page 4)

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

- **Control parameters**

- **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.
- **Exposure controls**
- **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.  
Use a Biological Safety Cabinet.
- **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

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Liquid
  - Color:** Yellowish
  - Odor:** Characteristic

(Contd. on page 5)



# Safety Data Sheet

acc. to OSHA HCS

Date Prepared: 03/02/2015

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**Product Name: Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)**

(Contd. of page 4)

- **Change in condition**  
**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined
- **Flash point:** Not applicable
- **Auto igniting:** Product is not self igniting.
- **Danger of explosion:** Forms very sensitive explosive metallic compounds.
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Soluble
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Nitrogen oxides (NOx)
- **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.

## 11 Toxicological information

- **Information on toxicological effects**
- **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.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful

This product contains human blood, serum, or cells, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using FDA approved methods and found negative for Human Immunodeficiency Virus (HIV-1/HIV-2), Hepatitis B Surface

(Contd. on page 6)

## Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)**

(Contd. of page 5)

Antigen (HBSAG), and antibody to Hepatitis C Virus (HCV). However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC and FDA recommendations and OSHA Bloodborne Pathogen recommendations.

This product contains, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using approved methods and has been found negative for infectious diseases. However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC, OSHA Bloodborne Pathogen recommendations, and the European Directive 90/679/EC.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Other information:**

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed of with solid waste.

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# Safety Data Sheet acc. to OSHA HCS

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Date Prepared: 03/02/2015

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**Product Name: Minimal Reactive (+), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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After the product is used, disinfect with bleach (sodium hypochlorite), or an approved disinfectant, or incinerate, or autoclave at 121 C for at least 15 minutes before disposing.  
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

- |                                                                                  |                 |
|----------------------------------------------------------------------------------|-----------------|
| · <b>UN-Number</b>                                                               |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               | Void            |
| · <b>UN proper shipping name</b>                                                 |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               | Void            |
| · <b>Transport hazard class(es)</b>                                              |                 |
| · <b>DOT, ADR, ADN, IMDG, IATA</b>                                               |                 |
| · <b>Class</b>                                                                   | Void            |
| · <b>Packing group</b>                                                           |                 |
| · <b>DOT, ADR, IMDG, IATA</b>                                                    | Void            |
| · <b>Environmental hazards:</b>                                                  |                 |
| · <b>Marine pollutant:</b>                                                       | No              |
| · <b>Special precautions for user</b>                                            | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>                                                  | -               |

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

### · **SARA Section 355 (extremely hazardous substances)**

|            |              |
|------------|--------------|
| 26628-22-8 | sodium azide |
|------------|--------------|

### · **SARA Section 313 (specific toxic chemical listings)**

|            |              |
|------------|--------------|
| 26628-22-8 | sodium azide |
|------------|--------------|

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US

# Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Minimal Reactive (+), RPR Liquid Controls  
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· **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.

· **Carcinogenic categories**

· **TLV (Threshold Limit Value established by ACGIH)**

26628-22-8 sodium azide

A4

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

sodium azide

· **Hazard statements**

H302 Harmful if swallowed.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## 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

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## Safety Data Sheet acc. to OSHA HCS

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**Product Name: Minimal Reactive (+), RPR Liquid Controls  
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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.

· **Date of preparation / last revision** 03/02/2015 / 1

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4

US

**Safety Data Sheet**  
acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**1 Identification**

- **Product Identifier**
- **Product Name:** Negative Reactive (-), RPR Liquid Controls (RPR Liquids Control Kit)
- **Catalog Number:** 276909
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** In-vitro Diagnostics
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
BD Diagnostic Systems  
7 Loveton Circle  
Sparks, MD 21152  
Telephone: (410) 771 - 0100 or (800) 638 – 8663  
Email Address: Technical\_Services@bd.com
- **Information Department:** Technical Service
- **Emergency telephone number:**  
In case of a chemical emergency, spill, fire, exposure, or accident, contact BD Diagnostic Systems (410) 771-0100 or (800)-638-8663, or ChemTrec at (800) 424-9300.

**2 Hazard(s) identification**

- **Classification of the substance or mixture**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



Xn; Harmful

R22: 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.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**  
sodium azide

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US

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Negative Reactive (-), RPR Liquid Controls**  
**(RPR Liquids Control Kit)**

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**· Hazard statements**

H302 Harmful if swallowed.

**· Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**· NFPA ratings (scale 0-4)**


Health = 2

Flammability = 0

Reactivity = 0

**· HMIS ratings (scale 0-4)**


Health = 2

Flammability = 0

Reactivity = 0

**· Other hazards**
**· Results of PBT and vPvB assessment**
**· PBT:** Not applicable.

**· vPvB:** Not applicable.

### 3 Composition/information on ingredients

**· Chemical characterization: Mixture**
**· Description:** Mixture consisting of the following components.

**· Dangerous Components:**

|                   |              |                  |      |
|-------------------|--------------|------------------|------|
| CAS: 26628-22-8   | sodium azide | T+ R28; N R50/53 | 0.1% |
| EINECS: 247-852-1 |              | R32              |      |

**· Additional information** Risk phrases refer to section 15.

### 4 First-aid measures

**· Description of 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.

**· 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.

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**Product Name: Negative Reactive (-), RPR Liquid Controls**  
**(RPR Liquids Control Kit)**

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- **Information for doctor** Show this product label or this SDS.
- **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture**  
No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Wipe up with damp sponge or mop.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to item 13.  
Absorb spills using disposable towels or absorbant material. Wear gloves during spill cleanup. Disinfect area with bleach (hypochlorite solution) for at least 15 minutes, or an approved disinfectant for labeled contact time, then wipe clean. Contain absorbant waste in biohazardous bag.
- **Reference to other sections**  
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**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2 - 8 °C
- **Information about storage in one common storage facility:**  
Do not store together with oxidizing and acidic materials as well as heavy-metal compounds.

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**Product Name: Negative Reactive (-), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed containers.
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

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

- **Control parameters**

- **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.
- **Exposure controls**
- **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.  
Use a Biological Safety Cabinet.
- **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

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**
  - Form:** Liquid
  - Color:** Yellowish
  - Odor:** Characteristic

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**Product Name: Negative Reactive (-), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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- **Change in condition**  
**Melting point/Melting range:** Not determined  
**Boiling point/Boiling range:** Not determined
- **Flash point:** Not applicable
- **Auto igniting:** Product is not self igniting.
- **Danger of explosion:** Forms very sensitive explosive metallic compounds.
- **Density:** Not determined
- **Solubility in / Miscibility with Water:** Soluble
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Nitrogen oxides (NOx)
- **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.

## 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
  - **LD/LC50 values that are relevant for classification:**
- |                                |      |                |
|--------------------------------|------|----------------|
| <b>26628-22-8 sodium azide</b> |      |                |
| 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:**

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

Harmful

This product contains human blood, serum, or cells, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using FDA approved methods and

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## Safety Data Sheet acc. to OSHA HCS

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**Product Name: Negative Reactive (-), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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found negative for Human Immunodeficiency Virus (HIV-1/HIV-2), Hepatitis B Surface Antigen (HBSAG), and antibody to Hepatitis C Virus (HCV). However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC and FDA recommendations and OSHA Bloodborne Pathogen recommendations.

This product contains, a potential biohazardous material. Use universal precautions when handling. Handle as if product were capable of transmitting disease. Material used in this product has been tested using approved methods and has been found negative for infectious diseases. However, no known test method can offer complete assurance that specimens of human origin will not transmit infectious disease. When handling or disposing, follow precautions described in CDC, OSHA Bloodborne Pathogen recommendations, and the European Directive 90/679/EC.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Other information:**

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

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

US

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Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Negative Reactive (-), RPR Liquid Controls**  
**(RPR Liquids Control Kit)**

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**13 Disposal considerations**· **Waste treatment methods**· **Recommendation***Must not be disposed of with solid waste.**After the product is used, disinfect with bleach (sodium hypochlorite), or an approved disinfectant, or incinerate, or autoclave at 121 C for at least 15 minutes before disposing.**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**· **UN-Number**

· DOT, ADR, ADN, IMDG, IATA      Void

· **UN proper shipping name**

· DOT, ADR, ADN, IMDG, IATA      Void

· **Transport hazard class(es)**

· DOT, ADR, ADN, IMDG, IATA

· Class      Void

· **Packing group**

· DOT, ADR, IMDG, IATA      Void

· **Environmental hazards:**· **Marine pollutant:**      No· **Special precautions for user**      Not applicable.· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**      Not applicable.· **UN "Model Regulation":**      -

US

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# Safety Data Sheet acc. to OSHA HCS

Date Prepared: 03/02/2015

Reviewed On: 03/02/2015

**Product Name: Negative Reactive (-), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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## 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **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.

· **Carcinogenic categories**

· **TLV (Threshold Limit Value established by ACGIH)**

|            |              |    |
|------------|--------------|----|
| 26628-22-8 | sodium azide | A4 |
|------------|--------------|----|

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard-determining components of labeling:**

sodium azide

· **Hazard statements**

H302 Harmful if swallowed.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

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**Safety Data Sheet**  
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Date Prepared: 03/02/2015

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**Product Name: Negative Reactive (-), RPR Liquid Controls  
(RPR Liquids Control Kit)**

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P330 Rinse mouth.

P501 Dispose of contents/container in accordance with local/regional/national/  
international regulations.· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**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.

· **Date of preparation / last revision** 03/02/2015 / 1· **Abbreviations and acronyms:**RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Acute Tox. 4: Acute toxicity, Hazard Category 4