



Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

1 Identification of substance:

- **Product name:** Control (++) - High Reactive Control
(RubaScan Test Kit) - ~~4~~
- **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.

• Dangerous components:	
26628-22-8	sodium azide 0.1%

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.
- **NFPA 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

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Reviewed On: 07/31/2007

Product name: Control (++) - High Reactive Control
(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*
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- *Special hazards caused by the material, its products of combustion or resulting gases:*
Nitrogen oxides (NO_x)
- *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 ³ , C 0.1* ppm *as HN ₃ vapor; **as NaN ₃
TLV	Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as HN ₃ vapor; **as NaN ₃

(Contd. on page 3)



Material Safety Data Sheet

acc. to ISO/DIS 11014

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Product name: Control (++) - High Reactive Control
(RubaScan Test Kit)

(Contd. of page 2)

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

Form:	Liquid
Color:	According to product specification
Odor:	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 (NOx)

(Contd. on page 4)



Material Safety Data Sheet
acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

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Product name: Control (++) - High Reactive Control
(RubaScan Test Kit)

(Contd. of page 3)

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

Acute toxicity:

LD/LC50 values that are relevant for classification:

26628-22-8 sodium azide

Oral	LD50	27 mg/kg (rat)
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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: -

(Contd. on page 5)



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(Contd. of page 4)

• **Land transport ADR/RID (cross-border)**
• **ADR/RID class:** -

• **Maritime transport IMDG:**
• **IMDG Class:** -
• **Marine pollutant:** No

• **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.

(Contd. on page 6)



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Product name: Control (++) - High Reactive Control
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(Contd. of page 5)

Safety phrases:

- 2 Keep out of the reach of children.
- 13 Keep away from food, drink and animal feedingstuffs.
- 36 Wear suitable protective clothing.
- 46 If swallowed, seek medical advice immediately and show this container or label.

16 Other information:

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Department issuing MSDS:

Safety and Environment Department

MSDS created by Michael J. Spinazzola

Contact: *Technical Service Representative*