

12/02/2011

Kit Components

Product code	Description
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340406	TRITEST CD3/CD8/CD45 W/TRUCOUNT IVD
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Components:

340406a	TriTEST CD3/CD8/CD45
340406b	TruCOUNT Tubes
340406c	Desiccant in TruCOUNT Pouch






1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Product name:** TriTEST CD3/CD8/CD45
- **Catalog number:** 340406a
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Becton, Dickinson and Company
 BD Biosciences
 2350 Qume Drive
 San Jose, CA 95131
 Tel: (408)232-8995
 bdbiosciences.com
- **Information department:** Technical Services
- **Emergency telephone number:**
 In case of a chemical emergency, spill, fire, or exposure, call BD Biosciences at (877)232-8995, or ChemTrec at (800)424-9300.


2 Composition/information on ingredients

- **Chemical characterization:** Substances
- **Identification number(s):**
- **EC number:** 2317912
- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

CAS NO.	Description	%
26628-22-8	Sodium azide	0.1%

	T+ R28	0.1%
	N R50/53	
	R32	
	H300	0.1%
	H400; H410	

3 Hazards identification

- **Classification of the substance or mixture**
 The product is not classified according to the Globally Harmonized System (GHS).
- **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**
- **Labelling according to EU guidelines:**
 The product has been classified and marked in accordance with regulations on hazardous materials.
- **Code letter and hazard designation of product:**
 Xn Harmful
- **Hazard-determining components of labelling:**
 Sodium azide

Product name: TriTEST CD3/CD8/CD45

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· 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.

23 Do not breathe gas/fumes/vapour/spray.

36 Wear suitable protective clothing.

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

56 Dispose of this material and its container at hazardous or special waste collection point

· Classification system**· NFPA ratings (scale 0-4)**

Health = 2

Flammability = 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.

· 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.

Seek immediate medical advice.

5 Firefighting measures**· Suitable extinguishing agents**

CO₂, 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 Nitrogen oxides (NO_x)**· 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:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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Product name: TriTEST CD3/CD8/CD45

See Section 13 for disposal information.

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7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **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.
- **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 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/m³, C 0.1* ppm
 *as HN₃; **as NaN₃; Skin

TLV () Short-term value: C 0.29** mg/m³, C 0.11* ppm
 *as HN₃ vapor **as NaN₃

- **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.

- **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**

- **Appearance:**

Form: Liquid

Color: Colorless

- **Odor:** Characteristic

- **pH-value at 20°C (68 °F):** 7.0

- **Change in condition**

Melting point/Melting range: Not determined

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Product name: TriTEST CD3/CD8/CD45

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Boiling point/Boiling range:	100°C (212 °F)
· Flash point:	Not applicable
· Auto igniting:	Product is not self igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Vapor pressure:	Not applicable
· Density:	Not determined
· Solubility in / Miscibility with Water:	Soluble
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	0.1 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:**
 Incompatible material: strong oxidizers.
 Incompatible materials: acidic material and metals
- **Hazardous decomposition products:** Nitrogen oxides (NO_x)
- **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)

- **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: kidneys, and central nervous system
- **Additional toxicological information:**

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

12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.

(Contd. on page 5)

Product name: TriTEST CD3/CD8/CD45

(Contd. of page 4)

- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Ecotoxicological effects:**
- **Other information:**
 The ecological effects have not been thoroughly investigated, but currently none have been identified.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
 Dispose of material in accordance with federal (40 CFR 261), state and local requirements.
 This product is not considered a RCRA hazardous waste.
 Must not be disposed of with solid waste.
- **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.
· Transport/Additional information:	If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed the product is regulated.
· UN "Model Regulation":	-

15 Regulatory information

· SARA Section 355 (extremely hazardous substances)
26628-22-8 Sodium azide

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Product name: TriTEST CD3/CD8/CD45

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· SARA Section 313 (specific toxic chemical listings)	
26628-22-8	Sodium azide
· TSCA (Toxic Substances Control Act)	
9000-70-8	Gelatin
26628-22-8	Sodium azide
· California Proposition 65 - Chemicals known to cause cancer	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
· Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
· Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
· 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.	
· 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.

23 Do not breathe gas/fumes/vapour/spray.

36 Wear suitable protective clothing.

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

56 Dispose of this material and its container at hazardous or special waste collection point

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 cannot guarantee that these are the only hazards that exist.

· **Department issuing MSDS:** Safety and Environment Department

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Product name: TriTEST CD3/CD8/CD45

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· Contact: *Technical Service Representative***· Abbreviations and acronyms:***ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**ICAO: International Civil Aviation Organization**ACGIH: American Conference of Governmental Industrial Hygienists**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*

USA

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Product name:** TruCOUNT Tubes
- **Catalog number:** 340406b

- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Becton, Dickinson and Company
BD Biosciences
2350 Qume Drive
San Jose, CA 95131
Tel: (408)232-8995
bdbiosciences.com
- **Information department:** Technical Services
- **Emergency telephone number:**
In case of a chemical emergency, spill, fire, or exposure, call BD Biosciences at (877)232-8995, or ChemTrec at (800)424-9300.

2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

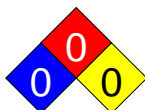
CAS NO.	Description	% Void
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3 Hazards identification

- **Classification of the substance or mixture**
The product is not classified according to the Globally Harmonized System (GHS).

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
This product contains no hazardous constituents, or the concentration of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29 CFR 1910.1200 and the European Directive 91/155/EEC, and 93/112/EC.
Void
- **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**
- **Labelling according to EU guidelines:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations pertaining to regulations on hazardous materials.
- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 0
Flammability = 0
Reactivity = 0

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Seek medical treatment in case of complaints.

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Product name: TruCOUNT Tubes

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- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** Show the product label or this MSDS.

5 Firefighting measures

- **Suitable extinguishing agents**
CO₂, 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.
- **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:** No special measures required.
- **Reference to other sections** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Precautions for safe handling** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** 2-8 C
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **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 item 7.
- **Components with limit values that require monitoring at the workplace:**

Polyethylene Glycol

WEEL ()	10 mg/m ³ aerosol
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- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
- **General protective and hygienic measures**
The usual precautionary measures for handling chemicals should be followed.
- **Breathing equipment:** Not required.

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Product name: TruCOUNT Tubes

(Contd. of page 2)

· 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
· Appearance:

Form:	Solid.
Color:	According to product specification
· Odor:	Characteristic

· pH-value: 7.2-7.6

· Change in condition	Undetermined
· 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: Product does not present an explosion hazard.

· Vapor pressure at 20°C (68 °F): 23 hPa (17 mm Hg)

· Density: Not determined

· Solubility in / Miscibility with
Water: Not miscible or difficult to mix

· Solvent content:

Organic solvents:	0.0 %
Water:	83.7 %

· Other information No further relevant information available.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Incompatible materials: Incompatible material: strong oxidizers.

· Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity:
· Primary irritant effect:
· on the skin: No irritating effect.

· on the eye: No irritating effect.

· Sensitization: No sensitizing effects known.

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Product name: TruCOUNT Tubes

(Contd. of page 3)

· Additional toxicological information:

The product is not subject to OSHA classification according to internally approved calculation methods for preparations.

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

· **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.

· **Ecotoxic effects:**

· **Other information:**

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

· **Additional ecological information:**

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

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

This product is not considered a RCRA hazardous waste.

Dispose of material in accordance with federal (40 CFR 261), state and local requirements.

Smaller quantities can be disposed of with solid waste.

· **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.

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Reviewed on 12/02/2011

Product name: TruCOUNT Tubes

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- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** *Not applicable.*
- **Transport/Additional information:** *If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed the product is regulated.*
- **UN "Model Regulation":** *-*

15 Regulatory information

- **SARA Section 355 (extremely hazardous substances)**

None of the ingredients is listed.

- **SARA Section 313 (specific toxic chemical listings)**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act)**

7732-18-5	water
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	Trehalose
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	Polyethylene Glycol
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9048-46-8	BSA
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	Myo-Inositol
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4432-31-9	MES
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9003-39-8	PVP
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- **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenic categories**

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

9003-39-8	PVP	
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- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **Product related hazard information:**

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations pertaining to regulations on hazardous materials.

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Product name: TruCOUNT Tubes

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- **National regulations**
- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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 cannot guarantee that these are the only hazards that exist.

- **Department issuing MSDS:** Safety and Environment Department
- **Contact:** Technical Service Representative
- **Abbreviations and acronyms:**
 - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - ICAO: International Civil Aviation Organization
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - NFPA: National Fire Protection Association (USA)











USA

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Product name:** Desiccant in TruCOUNT Pouch
- **Catalog number:** 340406c
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 Becton, Dickinson and Company
 BD Biosciences
 2350 Qume Drive
 San Jose, CA 95131
 Tel: (408)232-8995
 bdbiosciences.com
- **Information department:** Technical Services
- **Emergency telephone number:**
 In case of a chemical emergency, spill, fire, or exposure, call BD Biosciences at (877)232-8995, or ChemTrec at (800)424-9300.

2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of the substances listed below with nonhazardous additions.

CAS NO.	Description	%
112926-00-8	silica	 Xn R20  Xi R36/37  H332; H319; H335 85-95.0%
7646-79-9	cobalt dichloride	 T Repr. Cat. 2 R49-60  Xn R22-68  Xi R42/43  N R50/53 Carc. Cat. 2, Muta. Cat. 3  H334; H350  H400; H410  H302; H317 <0.05%

3 Hazards identification

- **Classification of the substance or mixture**



GHS08 Health hazard

H350 May cause cancer.



GHS07

H332 Harmful if inhaled.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

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





T; Toxic

R49: May cause cancer by inhalation.

Product name: Desiccant in TruCOUNT Pouch

(Contd. of page 1)

 **Xn; Harmful****R20:** Harmful by inhalation. **Xi; Irritant****R36/37:** Irritating to eyes and respiratory system.**R52/53:** Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**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**Labelling according to EU guidelines:**

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

Code letter and hazard designation of product:

T Toxic

Hazard-determining components of labelling:

silica

cobalt dichloride

Risk phrases:

49 May cause cancer by inhalation.

20 Also harmful by inhalation.

36/37 Irritating to eyes and respiratory system.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases:

53 Avoid exposure - obtain special instructions before use.

9 Keep container in a well-ventilated place.

20 When using do not eat or drink.

23 Do not breathe gas/fumes/vapour/spray.

45 In case of accident or if you feel unwell, seek medical advice immediately.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets

Classification system**NFPA ratings (scale 0-4)**

Health = 3

Flammability = 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.

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek medical advice.

In case of unconsciousness place patient on side position for transportation.

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.

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Product name: *Desiccant in TruCOUNT Pouch*

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- **After swallowing**
*Immediately call a doctor.
 Seek immediate medical advice.*
- **Information for doctor** *Show the product label or this MSDS.*

5 Firefighting measures

- **Suitable extinguishing agents**
CO₂, 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.*
- **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:**
*Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
 Dispose contaminated material as waste according to item 13.
 Ensure adequate ventilation.*
- **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.
 Open and handle receptacle with care.*
- **Information about protection against explosions and fires:** *Keep respiratory protective device available.*
- **Storage**
- **Requirements to be met by storerooms and receptacles:** *2-8 C*
- **Information about storage in one common storage facility:** *Store away from oxidizing agents.*
- **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 item 7.*
- **Components with limit values that require monitoring at the workplace:**

112926-00-8 silica

PEL ()	20mppcf or 80mg/m ³ /%SiO ₂ mg/m ³
REL ()	6 mg/m ³
TLV ()	TLV withdrawn

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

(Contd. on page 4)

Product name: Desiccant in TruCOUNT Pouch

(Contd. of page 3)

- **Personal Protective Equipment**
- **General protective and hygienic measures**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Store protective clothing separately.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.

- **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**

- **Appearance:**

Form: Solid.
Color: White
Odor: Characteristic

· **pH-value:** 7.2-7.6

- **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:** Product does not present an explosion hazard.

· **Vapor pressure:** Not applicable

· **Density:** Not determined

- **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix

- **Solvent content:**

Organic solvents: 0.0 %

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

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Incompatible materials:** Incompatible material: strong oxidizers.
- **Hazardous decomposition products:** Poisonous gases/vapors

USA

(Contd. on page 5)

Product name: Desiccant in TruCOUNT Pouch

(Contd. of page 4)

11 Toxicological information

· **Acute toxicity:**

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

7646-79-9 cobalt dichloride

Oral	LD50	80 mg/kg (rat)
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· **Primary irritant effect:**

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

· **on the eye:** 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

Irritant

Carcinogenic if inhaled.

12 Ecological information

· **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.

· **Ecotoxicological effects:**

· **Other information:**

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

· **Additional ecological information:**

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

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Dispose of material in accordance with federal (40 CFR 261), state and local requirements.

This product is not considered a RCRA hazardous waste.

Must not be disposed of with solid waste.

· **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, IMDG, IATA** Void

· **UN proper shipping name**

· **DOT, ADR, IMDG, IATA** Void

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Product name: Desiccant in TruCOUNT Pouch

(Contd. of page 5)

· Transport hazard class(es)	
· DOT, ADR, 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.
· Transport/Additional information:	If a dashed line appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation. However, if a Hazard Class Number is listed the product is regulated.

15 Regulatory information

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

None of the ingredients is listed.

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

None of the ingredients is listed.

 · **TSCA (Toxic Substances Control Act)**

7646-79-9 cobalt dichloride

 · **California Proposition 65 - Chemicals known to cause cancer**

None of the ingredients is listed.

 · **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

 · **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

 · **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

 · **Carcinogenic categories**

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

112926-00-8	silica	3
7646-79-9	cobalt dichloride	2B

 · **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

 · **Product related hazard information:**

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

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Product name: Desiccant in TruCOUNT Pouch

(Contd. of page 6)

· Hazard symbols:*T Toxic***· Hazard-determining components of labeling:***silica**cobalt dichloride***· Risk phrases:***49 May cause cancer by inhalation.**20 Also harmful by inhalation.**36/37 Irritating to eyes and respiratory system.**52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment***· Safety phrases:***53 Avoid exposure - obtain special instructions before use.**9 Keep container in a well-ventilated place.**20 When using do not eat or drink.**23 Do not breathe gas/fumes/vapour/spray.**45 In case of accident or if you feel unwell, seek medical advice immediately.**61 Avoid release to the environment. Refer to special instructions/Safety data sheets***· National regulations****· Water hazard class:** *Water hazard class 1 (Self-assessment): slightly hazardous for water.***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 cannot guarantee that these are the only hazards that exist.

· Department issuing MSDS: *Safety and Environment Department***· Contact:** *Technical Service Representative***· Abbreviations and acronyms:***ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)**IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**ICAO: International Civil Aviation Organization**ACGIH: American Conference of Governmental Industrial Hygienists**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent*