

1 Identification of substance:

· **Product details:**

· **Product name:** CD34 Reagent (nucleic acid dye, CD34 PE, and CD45 Per CP)
(ProCOUNT Kit P/N 23-4535-00)

· **Catalog number:** 340498, 23-4528-00

· **Manufacturer/Supplier:**

BD Biosciences
2350 Qume Drive
San Jose, CA 95131
Tel.: (877)232-8995

· **Information department:** Technical Services

· **Emergency information:**

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/Data on components:

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

26628-22-8	sodium azide	0.1%
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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.

· **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.

(Contd. on page 2)



Printing date 07/26/2002

Reviewed on 05/24/2002

Product name: CD34 Reagent (nucleic acid dye, CD34 PE, and CD45 Per CP)
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 1)

- **After swallowing** Immediately call a doctor.
- **Information for doctor** Show this label.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- **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:** Store in cool, dry place in tightly closed containers.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **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:** None.
- **Storage class**
- **Class according to regulation on flammable liquids:** Void

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

ACGIH TLV Short-term value: C 0.29** mg/m³, C 0.11* ppm

*as Sodium azide; **as Hydrazoic acid vapor

NIOSH REL Short-term value: C 0.3** mg/m³, C 0.1* 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.

(Contd. on page 3)

Product name: CD34 Reagent (nucleic acid dye, CD34 PE, and CD45 Per CP)
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 2)

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Chemical resistant gloves.

· **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

· **Auto igniting:** Product is not self igniting.

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

· **Vapor pressure:** Not applicable

· **Density:** Not determined

· **Solubility in / Miscibility with**

Water: Soluble

· **pH-value:** Not applicable

· **Solvent content:**

Organic solvents: 0.0 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:**

Incompatible material: strong oxidizers.

Incompatible materials: acidic material and metals

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:** Nitrogen oxides (NO_x)

(Contd. on page 4)



Printing date 07/26/2002

Reviewed on 05/24/2002

Product name: CD34 Reagent (nucleic acid dye, CD34 PE, and CD45 Per CP)
(ProCOUNT Kit P/N 23-4535-00)

(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)

· **Primary irritant effect:**

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

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

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

· **Subacute to chronic toxicity:** Target organs: kidney, liver, central nervous system.

· **Additional toxicological information:**

Harmful

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

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**

Must adhere to state and federal regulations.

Smaller quantities can be disposed of with solid waste.

Disposal must be made according to the regulations found in 40 CFR 261.

This product is not considered a RCRA hazardous 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

· **DOT regulations:**

· **Hazard class:** -

(Contd. on page 5)

Product name: CD34 Reagent (nucleic acid dye, CD34 PE, and CD45 Per CP)
(ProCOUNT Kit P/N 23-4535-00)

(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

- **Product related hazard informations:**
The product has been classified and marked in accordance with regulations on hazardous materials.
- **Hazard symbols:**
Xn Harmful
- **Hazard-determining components of labelling:**
sodium azide
- **Risk phrases:**
22 Harmful if swallowed.
- **Safety phrases:**
2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
36 Wear suitable protective clothing.
46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Classification according to VbF:** Void
- **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, nor 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 & Environment Department
- **Contact:** Technical Service Representative

1 Identification of substance:

· **Product details:**

· **Product name:** Control Reagent (nucleic acid dye IgG1PE, and CD45 PerCP)
(ProCOUNT Kit P/N 23-4535-00)

· **Catalog number:** 340498, 23-4536-00

· **Manufacturer/Supplier:**

BD Biosciences
2350 Qume Drive
San Jose, CA 95131
Tel.: (877)232-8995

· **Information department:** Technical Services

· **Emergency information:**

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/Data on components:

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

26628-22-8	sodium azide	0.1%
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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.

· **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.

(Contd. on page 2)

**Product name: Control Reagent (nucleic acid dye IgG1PE, and CD45 PerCP)
(ProCOUNT Kit P/N 23-4535-00)**

(Contd. of page 1)

- **After swallowing** Immediately call a doctor.
- **Information for doctor** Show this label.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
- **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:** Store in cool, dry place in tightly closed containers.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from oxidizing agents.
- **Further information about storage conditions:** None.
- **Storage class**
- **Class according to regulation on flammable liquids:** Void

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

ACGIH TLV	Short-term value: C 0.29** mg/m ³ , C 0.11* ppm *as Sodium azide; **as Hydrazoic acid vapor
NIOSH REL	Short-term value: C 0.3** mg/m ³ , C 0.1* ppm *as HN ₃ vapor; **as NaN ₃

- **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.

(Contd. on page 3)

**Product name: Control Reagent (nucleic acid dye IgG1PE, and CD45 PerCP)
(ProCOUNT Kit P/N 23-4535-00)**

(Contd. of page 2)

- **Breathing equipment:** Not required.
- **Protection of hands:**



Chemical resistant gloves.

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

9 Physical and chemical properties:

· **General Information**

Form:	Fluid
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

· **Auto igniting:** Product is not self igniting.

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

· **Vapor pressure:** Not applicable

· **Density:** Not determined

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

Soluble

· **pH-value:** Not applicable

· **Solvent content:**

Organic solvents: 0.0 %

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:** Incompatible material: strong oxidizers.

· **Dangerous reactions** No dangerous reactions known

· **Dangerous products of decomposition:** 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.

USA

(Contd. on page 4)



Printing date 07/26/2002

Reviewed on 06/18/2002

Product name: Control Reagent (nucleic acid dye IgG1PE, and CD45 PerCP)
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 3)

11 Toxicological information

· **Acute toxicity:**

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

26628-22-8 sodium azide

Oral	LD50	27 mg/kg (rat)
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· **Primary irritant effect:**

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

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

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

· **Subacute to chronic toxicity:** Target organs: kidney, liver, central nervous system.

· **Additional toxicological information:**

Harmful

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

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**

Must adhere to state and federal regulations.

Smaller quantities can be disposed of with solid waste.

Disposal must be made according to the regulations found in 40 CFR 261.

This product is not considered a RCRA hazardous 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

· **DOT regulations:**

· **Hazard class:** -

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

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

(Contd. on page 5)



Printing date 07/26/2002

Reviewed on 06/18/2002

Product name: Control Reagent (nucleic acid dye IgG1PE, and CD45 PerCP)
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 4)

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

15 Regulations

- **Product related hazard informations:**
The product has been classified and marked in accordance with regulations on hazardous materials.
- **Hazard symbols:**
Xn Harmful
- **Hazard-determining components of labelling:**
sodium azide
- **Risk phrases:**
22 Harmful if swallowed.
- **Safety phrases:**
2 Keep out of the reach of children.
13 Keep away from food, drink and animal feedingstuffs.
36 Wear suitable protective clothing.
46 If swallowed, seek medical advice immediately and show this container or label.
- **National regulations**
- **Classification according to VbF:** Void
- **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, nor 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 & Environment Department*
- **Contact:** *Technical Service Representative*

1 Identification of substance:

· **Product details:**

· **Product name:** TruCOUNT Tubes
(ProCOUNT Kit P/N 23-4535-00)

· **Catalog number:** 340498, 23-4537-00

· **Manufacturer/Supplier:**

BD Biosciences
2350 Qume Drive
San Jose, CA 95131
Tel.: (877)232-8995

· **Information department:** Technical Services

· **Emergency information:**

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/Data on components:

· **Chemical characterization**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:** Void

3 Hazards identification

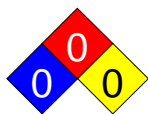
· **Hazard description:**

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.

· **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 = 0
Fire = 0
Reactivity = 0

4 First aid measures

· **General information** No special measures required.

· **After inhalation** Seek medical treatment in case of complaints.

· **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 this label.

Product name: TruCOUNT Tubes
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
 - **Information 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:** No special requirements.
 - **Information about storage in one common storage facility:** Store away from oxidizing agents.
 - **Further information about storage conditions:** None.
 - **Storage class**
 - **Class according to regulation on flammable liquids:** Void

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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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.
- **Protection of hands:**



Chemical resistant gloves.

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

USA

(Contd. on page 3)



Printing date 07/26/2002

Reviewed on 08/30/2001

Product name: TruCOUNT Tubes
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 2)

9 Physical and chemical properties:

· General Information

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

· **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:** Not applicable

· **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 material: strong oxidizers.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **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:

- **Ecotoxicological effects:**
- **Other information:**
The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **General notes:** Not known to be hazardous to water.

USA

(Contd. on page 4)



Printing date 07/26/2002

Reviewed on 08/30/2001

Product name: TruCOUNT Tubes
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 3)

13 Disposal considerations

- **Product:**
- **Recommendation**
Must adhere to state and federal regulations.
Smaller quantities can be disposed of with solid waste.
Disposal must be made according to the regulations found in 40 CFR 261.
This product is not considered a RCRA hazardous 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

- **DOT regulations:**
- **Hazard class:** -
- **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

- **Product related hazard informations:**
Observe the general safety regulations when handling chemicals
The product is not subject to identification regulations pertaining to regulations on hazardous materials.
- **National regulations**
- **Additional classification according to Decree on Hazardous Materials:**
CERCLA: This product does not contain chemicals having a Reportable Quantity (RQ).
SARA 311/312: May be subject to reporting.
313: Not subject to reporting.
TSCA: This product is exempt under TCSA.
- **Classification according to VbF:** Void

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton Dickinson and Company, nor 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 & Environment Department
- **Contact:** Technical Service Representative

1 Identification of substance:

- **Product details:**
- **Product name:** Desiccant in TruCount Pouch
(ProCOUNT Kit P/N 23-4535-00)
- **Catalog number:** 340498, 23-4539-00
- **Manufacturer/Supplier:**
BD Biosciences
2350 Qume Drive
San Jose, CA 95131
Tel.: (877)232-8995
- **Information department:** Technical Services
- **Emergency information:**
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/Data on components:

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

· **Dangerous components:**

112926-00-8	silica	85-95.0%
7646-79-9	cobalt chloride	<0.05%

3 Hazards identification

· **Hazard description:**



T Toxic

· **Information pertaining to particular dangers for man and environment**

R 49 May cause cancer by inhalation.

R 20 Harmful by inhalation.

R 36/37 Irritating to eyes and respiratory system.

· **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 = 3

Fire = 0

Reactivity = 0

Printing date 07/26/2002

Reviewed on 06/18/2002

Product name: Desiccant in TruCount Pouch
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 1)

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 or oxygen; and immediately call for a doctor.

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.**· After swallowing** Immediately call a doctor.**· Information for doctor** Show this label.

5 Fire fighting measures

· Suitable extinguishing agents

CO₂, extinguishing powder 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:

Formation of toxic gases is possible during heating or in case of fire.

· 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:** Ensure adequate ventilation.**· 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:**

Keep respiratory protective device available.

· Storage**· Requirements to be met by storerooms and receptacles:** No special requirements.**· 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.**· Storage class****· Class according to regulation on flammable liquids:** Void

8 Exposure controls and personal protection

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

(Contd. on page 3)

Product name: Desiccant in TruCount Pouch
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 2)

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

112926-00-8 silica

ACGIH TLV	10 mg/m ³
NIOSH REL	6 mg/m ³
OSHA PEL	Short-term value: 80 mg/m ³ as % SiO ₂

7646-79-9 cobalt chloride

ACGIH TLV	0.02, A3 mg/m ³ as Co
NIOSH REL	0.05* mg/m ³ *For metal dust & fume, as Co
OSHA PEL	0.1* mg/m ³ *For metal dust & fume, as Co

· 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.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.

· Breathing equipment: Not required.

· Protection of hands:



Chemical resistant gloves.

· Eye protection: Safety glasses

· Body protection: Protective work clothing (lab coat).

9 Physical and chemical properties:

· General Information

Form:	Solid.
Color:	White
Odor:	Characteristic

· 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

(Contd. on page 4)



Printing date 07/26/2002

Reviewed on 06/18/2002

Product name: Desiccant in TruCount Pouch
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 3)

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

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:** Incompatible material: strong oxidizers.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
Hydrogen chloride (HCl)
Poisonous gases/vapors

11 Toxicological information

· **Acute toxicity:**

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

7646-79-9 cobalt chloride

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

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitization:**

Sensitization possible through inhalation.

Sensitization possible through skin contact.

· **Additional toxicological information:**

Carcinogenic if inhaled.

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

California Proposition 65 - Warning: This product contains a chemical known to the State of California to cause cancer.

12 Ecological information:

· **Ecotoxicological effects:**

· **Other information:**

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

· **General notes:** Not known to be hazardous to water.

13 Disposal considerations

· **Product:**

· **Recommendation**

Must adhere to state and federal regulations.

Smaller quantities can be disposed of with solid waste.

Disposal must be made according to the regulations found in 40 CFR 261.

(Contd. on page 5)



Printing date 07/26/2002

Reviewed on 06/18/2002

Product name: Desiccant in TruCount Pouch
(ProCOUNT Kit P/N 23-4535-00)

(Contd. of page 4)

This product is not considered a RCRA hazardous 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

- **DOT regulations:**
- **Hazard class:** -
- **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

- **California Proposition 65**
California Proposition 65 - Warning: This product contains a chemical known to the State of California to cause cancer.
- **Product related hazard informations:**
The product has been classified and marked in accordance with regulations on hazardous materials.
- **Hazard symbols:**
T Toxic
- **Hazard-determining components of labelling:**
silica
cobalt chloride
- **Risk phrases:**
49 May cause cancer by inhalation.
20 Harmful by inhalation.
36/37 Irritating to eyes and respiratory system.
- **Safety phrases:**
53 Avoid exposure - obtain special instructions before use.
9 Keep container in a well-ventilated place.
45 In case of accident or if you feel unwell, seek medical advice immediately.
60 This material and its container must be disposed of as hazardous waste.

(Contd. on page 6)



Material Safety Data Sheet
acc. to ISO/DIS 11014

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Product name: Desiccant in TruCount Pouch
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(Contd. of page 5)

- **National regulations**
- **Additional classification according to Decree on Hazardous Materials:**
 - CERCLA: *This product contains cobalt chloride and has a Reporting Quantity (RQ) of 1,000 lbs.*
 - SARA 311/312: *Maybe subject to reporting.*
 - 313: *Subject to reporting.*
 - TSCA: *This product exempt under TSCA.*
- **Classification according to VbF: Void**

16 Other information:

To the best of our knowledge, the information contained herein is accurate. However, neither Becton Dickinson and Company, nor 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 & Environment Department*
- **Contact:** *Technical Service Representative*

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