

Kit SDS Cover Sheet

Doc. ID: 8547134-75: Rev. AF Revised (year/month/day) 2015/04/01

Product Information

Product Name

diff Ac°T PAK™

Part Number

8547134

Series Name

Coulter®

Additional Product Information

For In Vitro Diagnostic Use. See product literature for details.

Components

Description

Reagent 1

Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.



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Section 1 Identification of the Substance/mixture and of the Company/undertaking

1.1 Product Identifier

Product Name

Reagent 2

Part Number

Component of P/N 8547134

Series Name

Coulter®

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use

For In Vitro Diagnostic Use. See product literature for details.

1.3 Details of the supplier of the safety data sheet

Manufacturer

EC REP Address

Beckman Coulter, Inc. 250 S. Kraemer Blvd Brea, CA 92821, U.S.A. Tel: 800-854-3633

Beckman Coulter Eurocenter S.A. 22, rue Juste-Oliver, Case Postale 1044, CH-1260 Nyon 1, Switzerland.

Telephone +41 (0)22 365 36 11
Monday through Friday, 9:00 am to

7:00pm)

e-mail address

SDSNT@beckman.com

1.4 Emergency telephone number

Telephone number (24H)

Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001)

703-527-3887

Distributor and Emergency Phone No.

Refer to attached list, Document ID: 472050, for local distributor and emergency

phone numbers.

Section 2 Hazards Identification

2.1 Classification of substance or mixture

Product Description

Mixture

For full text of R- phrases: see Section 16.

Yellow; Clear; Liquid; Faint aromatic odor

Classification according to EC 1272/2008 (CLP/GHS)

Not classified as hazardous per EC 1272/2008 (CLP/GHS)

Classification according to EC Directives 1999/45/EC and 67/548/EEC

Xi;R36

Classification according to US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

Skin Irritation Category 3

Aquatic Hazard Acute, Category 3

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Section 2 Hazards Identification (Continued)

2.2 Label Elements

According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS

Hazardous Ingredients

Tetradecyltrimethylammonium bromide Dodecyltrimethylammonium chloride

Pictogram

None

Signal Word WARNING

Hazard Statements

H316 Causes mild skin irritation.H402 Harmful to aquatic life.

Precautionary Statements

P273 Avoid release to the environment.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/national regulations Product label will display most significant precautionary statements.1.4% of product contains ingredients of unknown hazards to the aquatic environment.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

See Section 11 Toxicological Information for more detailed health information.

Section 3 Composition and Information on Ingredients

3.2 Mixtures Hazard Classification of Pure Ingredients Hazardous Ingredients: EU-67/548/EEC EU 1272/2008 **GHS Chemical Name** % by wt. CLP/GHS Aquatic Acute 1 Xn;R20/21/22 Aquatic Acute 1 Dodecyltrimethylammonium 1 - 5 Eye Irrit. 2 Eye Irrit. 2 chloride STOT SE 3 SŤOT SE 3 CAS # 112-00-5 EINECS # 203-927-0 Index # Not available Skin Irrit. 2 Skin Irrit. 2 H315; H319; H335; H315; H319; H335; H400 H400 Eye Irrit. 2 3, 8 < 3 F:R11 Eye Irrit. 2 Isopropyl Alcohol Flam. Liq. 2 Flam. Liq. 2 Xi;R36-67 CAS # 67-63-0 EINECS # 200-661-7 Index # 603-117-00-0 STOT SE 3 STOT SE 3 H225; H319; H336 H225; H319; H336 Aquatic Acute 1 < 1 C;R34 Aquatic Acute 1 Tetradecyltrimethylammonium Éve Dam. 1 Éye Dam. 1 bromide Skin Corr. 1C Skin Corr. 1C CAS # 1119-97-7 EINECS # 214-291-9 H314; H318; H400 H314; H318; H400 Index # Not available



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Section 3 Composition and Information on Ingredients (Continued)

3 - Health hazard

8 - Present at concentration below the cut-off limits.

See section 8 for available Occupational exposure limits See Section 15 for additional regulatory information See Section 16 for hazard class, hazard statements and risk phrase description

Section 4 First Aid Measures

4.1 Description of first aid measures

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not

breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact If product enters eyes, wash eyes gently under running water for 15 minutes

or longer, making sure that the eyelids are held open. If pain or irritation occur,

obtain medical attention.

Skin Contact In case of skin contact, flush with copious amounts of water for at least 15

minutes. If pain or irritation occur, obtain medical attention.

Ingestion If ingested, wash mouth out with water. If irritation or discomfort occurs, seek

medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes mild skin irritation.

See Section 11 Toxicological Information for more detailed health information.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5 Fire Fighting Measures

Flammable Properties Nonflammable aqueous solution.

5.1 Extinguishing Media In case of fire use carbon dioxide (CO2), dry chemical, water spray or foam.

For large fires use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture

Special Fire and Explosion Hazards

No special hazards determined.

Hazardous Combustion Products

No combustion products posing significant hazards are expected from this

product (an aqueous solution).

5.3 Advice for fire fighters

Protective Equipment Self-contained breathing apparatus is recommended for firefighters in all

chemical fire situations.

5.4 Additional information No further relevant information available.

Global SDS - English



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Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Observe general safety guidelines for protection; avoid eye and skin contact.

Wear protective gloves, protective clothing and eye/face protection.

6.2 Environmental Precautions Contain spill to prevent migration.

Do not allow the undiluted product to enter sewers/surface or ground water.

Dispose of contents/container in accordance with local regulations

6.3 Methods and material for containment and cleaning up

Spill and Leak Procedures

Absorb spilled material with an appropriate inert, non-flammable absorbent and

dispose according to local regulations.

6.4 Reference to other sections

Refer sections 8 and 13.

Section 7 Handling and Storage

7.1 Precautions for safe handling Use good laboratory procedures; avoid eye and skin contact.

7.2 Conditions for safe storage, including any incompatibilities

Store at 2 to 30°C, as directed on the product label.

To maintain product quality, store according to the instructions in the product

labeling.

Store away from strong acids, strong bases, strong oxidizers and incompatible

materials (section 10).

7.3 Specific end uses

No further relevant information available.

Section 8 Exposure Controls and Personal Protection

8.1 Control parameters

Exposure Limits

US OSHA

Isopropyl Alcohol CAS # 67-63-0 400 ppm TWA; 980 mg/m3 TWA

ACGIH

Isopropyl Alcohol CAS # 67-63-0

400 ppm STEL; 200 ppm TWA

DFG MAK

Isopropyl Alcohol CAS # 67-63-0 400 ppm Peak; 1000 mg/m3 Peak; 200 ppm TWA MAK; 500 mg/m3 TWA MAK

Ireland

Isopropyl Alcohol CAS # 67-63-0 200 ppm TWA; 400 ppm STEL; Potential for cutaneous absorption

IOELVs

None established



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Section 8 Exposure Controls and Personal Protection (Continued)

NIOSH

Isopropyl Alcohol CAS # 67-63-0 2000 ppm IDLH (10% LEL); 500 ppm STEL; 1225 mg/m3 STEL; 400 ppm TWA;

980 mg/m3 TWA

Japan

None established

8.2 Exposure controls

Engineering Controls

No special engineering controls are required. Use with good general ventilation.

Eye Protection

Safety glasses or chemical goggles should be worn to prevent eye contact.

Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate

government standards.

Skin Protection

Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin

contact.

Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate

government standards.

Respiratory Protection

Under normal conditions, the use of this product should not require respiratory protection. If overexposure should occur and ventilation is not adequate to maintain airborne concentrations at acceptable levels, the use of respiratory

protection should be evaluated by a qualified professional.

Section 9 Physical and Chemical Properties

9.1	Information on basic physical and chemical properties			
	Physical State	Liquid	Specific Gravity (Water=1.0)	1.04 @20°C
	Color	Yellow	Solubility	
	Transparency	Clear	Water	Miscible
	Odor	Faint aromatic odor	Organic	Not determined
	рH	10.9	Partition coefficient: n-octanol/water	Not determined
	Freezing Point	Not determined	Auto-ignition Temp.	Not applicable
	Boiling Point	Not determined	Decomposition Temperature	Not determined
	Flash Point	Not applicable	Percent Volatiles	Not applicable
	Evaporation Rate	Not determined	Vapor Pressure	Not determined
	Flammability (Solid, Gas)	Not applicable	Viscosity	Not determined
	Flammability Limits	Not applicable	Explosive Properties	Not applicable
	Vapor Density	Not determined	Oxidizing Properties	Not applicable

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Section 9 Physical and Chemical Properties (Continued)

Odor Threshold

Isopropyl Alcohol 43 ppm geometric mean air odor threshold = (detectable); 19 ppm

geometric mean air odor threshold = (recognizable)

9.2 Other Information No further relevant information available.

Section 10 Stability and Reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical Stability

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to Avoid

To maintain product performance keep away from strong acids, strong bases,

strong oxidizers.

Avoid exposure to heat and direct sunlight.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous Decomposition Products

No decomposition products posing significant hazards would be expected from

this product (an aqueous solution).

Section 11 Toxicological Information

11.1 Information on toxicological effects

Toxicity Data for Hazardous Ingredients

Isopropyl Alcohol CAS # 67-63-0

Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat

12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg

Tetradecyltrimethylammonium

bromide CAS # 1119-97-7 Oral LD50 Rat 3900 mg/kg

Primary Routes of Exposure

Eye contact, ingestion, inhalation, and skin contact.

Skin Corrosion/Irritation

Causes mild skin irritation.

Serious eye damage/eye

irritation

No data available.

Respiratory/skin sensitization No data available.

Carcinogenicity

No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP,

OSHA or 1272/2008 EC regulation.

Germ cell mutagenicity

No data available.

Reproductive Toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

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Section 11 Toxicological Information (Continued)

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

Other Information

No further relevant information available.

Section 12 Ecological Information

12.1 Ecotoxicity

Fresh Water Species

Isopropyl Alcohol CAS # 67-63-0

96 h LC50 Pimephales promelas: 9640 mg/L [flow-through]; 96 h LC50 Pimephales promelas: 11130 mg/L [static]; 96 h LC50 Lepomis macrochirus:

>1400000 µg/L

Microtox Water Flea

No information available.

Isopropyl Alcohol CAS # 67-63-0

48 h EC50 Daphnia magna: 13299 mg/L

Fresh Water Algae

Isopropyl Alcohol CAS # 67-63-0

96 h EC50 Desmodesmus subspicatus: >1000 mg/L; 72 h EC50 Desmodesmus

subspicatus: >1000 mg/L

12.2 Persistence and degradability Not determined for the product.

12.3 Bioaccumulation

Not determined for the product.

12.4 Mobility in soil

Not determined for the product.

12.5 Results of PBT and vPvB assessment

Not determined for the product. PBT: Not applicable, vPvB: Not applicable.

12.6 Other Adverse Effects

Harmful to aquatic life.

This product is classified as environmentally hazardous. Do not allow undiluted product to enter sewer/surface or ground water. Dispose of contents/container to

in accordance with local/national regulations

Section 13 Disposal Considerations

Waste treatment methods

Product Waste Disposal

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

13.2 Additional information

Suggested European waste catalogue 18 01 07 - chemicals other than those mentioned in 18 01 06. Dispose in accordance with national, state and local waste regulations.



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Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture US Federal and State Regulations

SARA 313

Isopropyl Alcohol is subject to reporting requirements of Section 313, Title III of

SARA. 1.0 % de minimis concentration (only

CERCLA RG's, 40 CFR 302.4

Potassium Cyanide is listed.

California Proposition 65

Potassium Cyanide has been identified by the State of California to cause cancer and reproductive harm. The State of California has adopted a regulation which requires a warning be given to individual who may be exposed to chemicals

identified by the State to cause cancer or reproductive harm.

WARNING: This product contains a chemical known to the State of California to

cause cancer and reproductive harm.

Massachusetts MSL

Isopropyl Alcohol is listed. Potassium Cyanide is listed.

New Jersey Dept. of Health RTK List

Isopropyl Alcohol is listed. Potassium Cyanide is listed.

Pennsylvania RTK

Isopropyl Alcohol is listed. Potassium Cyanide is listed.

EU Regulations

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

Water Hazard Class (Germany) WGK 2, water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

No ingredients listed.

According to EC Directives (1999/45/EC and 67/548 EEC)

Irritant

Risk and Safety Phrases

R36 Irritating to eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and

seek medical advice.

Canada

This product is exempt from WHMIS label and SDS requirements.

PIN

Not applicable



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Section 15 Regulatory Information (Continued)

Ingredients on Ingredient Disclosure List

Isopropyl Alcohol

Citric Acid

1-DODECANAMINE,N,N-DIMETHYL

Ingredients with unknown toxicological properties

Product is exempt

15.2 Chemical Safety Assessment A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient specific concentrations required for reporting in Section 3.

Section 16 Other Information

Beckman Coulter Safety Rating Flammability: 0 Health: 1 Reactivity with Water: 0 Contact: 1 Contact: 1 Code 0=None 1=Slight 2=Caution 3=Severe				
	Beckman Coulter Safety Rating	Health: 1 Reactivity with Water: 0	0=None 1=Slight 2=Caution	

Revision Changes

Updated to GHS.

Hazard Class, hazard statements and risk phrase description from section 3

C - Corrosive

F - Highly flammable

Xi - Irritant

Xn - Harmful

R11 Highly flammable.

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R67 Vapours may cause drowsiness and dizziness.

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1

Eye Dam. 1 - Eye Damage Category 1

Eye Irrit. 2 - Eye Irritation Category 2

Flam. Liq. 2 - Flammable Liquids, Category 2

Skin Corr. 1C - Skin Corrosion Category 1C

Skin Irrit. 2 - Skin Irritation Category 2

STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3

STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3

H225 - Highly flammable liquid and vapour.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.

H336 - May cause drowsiness or dizziness.

H400 - Very toxic to aquatic life.



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Section 16 Other Information (Continued)

Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - European Agreement Concerning The International Carriage Of Dangerous

Goods By Road

CERCLA - The Comprehensive Environmental Response, Compensation, and

Liability Act

CLP - Classification, Labeling and Packaging

DFGMAK - Republic Germany's maximum exposure limit

GHS - Globally Harmonized System

HCS - Hazard Communication Standard

IARC - Internal Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IOELVs - European Unions' Indicative Occupational Exposure Limit Values

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PBT - Persistent bioaccumulative and toxic substances

SARA - Superfund Amendments and Reauthorization Act

TDG - Canadian Transportation Of Dangerous Goods Regulations.

UN GHS - United Nations Globally Harmonized System

US DOT - United States Department of Transportation

WHMIS - Workplace Hazardous Material Information System

vPvB - Very persistent and very bioaccumulative substances

EC50 - Effective Concentration, 50%

LC50 - Lethal Concentration, 50%

LD50 - Lethal Dose, 50%

For further information, please contact your local Beckman Coulter, Inc. representative.

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Section 1 Identification of the Substance/mixture and of the Company/undertaking

1.1 Product Identifier

Product Name

Reagent 1

Part Number

Component of P/N 8547134

Series Name

Coulter®

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product Use

For In Vitro Diagnostic Use. See product literature for details.

1.3 Details of the supplier of the safety data sheet

Manufacturer

EC REP Address

Beckman Coulter, Inc. 250 S. Kraemer Blvd Brea, CA 92821, U.S.A. Tel: 800-854-3633

Beckman Coulter Eurocenter S.A. 22, rue Juste-Oliver, Case Postale 1044, CH-1260 Nyon 1, Switzerland.

Telephone +41 (0)22 365 36 11 Monday through Friday, 9:00 am to

7:00pm)

e-mail address

SDSNT@beckman.com

1.4 Emergency telephone number

Telephone number (24H)

Chemtrec Emergency Tel No. U.S.A. 800-424-9300, International (001)

703-527-3887

Distributor and Emergency Phone No.

Refer to attached list, Document ID: 472050, for local distributor and emergency

phone numbers.

Section 2 Hazards Identification

2.1 Classification of substance or mixture

Product Description

Mixture

Colorless; Clear; Liquid; Odorless

Classification according to EC 1272/2008 (CLP/GHS)

Not classified as hazardous per EC 1272/2008 (CLP/GHS)

Classification according to EC Directives 1999/45/EC and 67/548/EEC

Not classified as dangerous per EC Directives (1999/45/EC and 67/548 EEC)

Classification according to US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

Not classified as hazardous per US-OSHA HCS 2012 and UN GHS

2.2 Label Elements According to EC 1272/2008 (CLP/GHS), US-OSHA and UN GHS

Not classified as hazardous per EC 1272/2008 (CLP/GHS)



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Section 2 Hazards Identification (Continued)

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable. vPvB: Not applicable.

See Section 11 Toxicological Information for more detailed health information.

Section 3 Composition and Information on Ingredients

3.2 Mixtures

Hazardous Ingredients:

None

Section 4 First Aid Measures

4.1 Description of first aid measures

Inhalation If product is inhaled, move exposed individual to fresh air. If individual is not

breathing, begin artificial respiration immediately and obtain medical attention.

Eye Contact If product enters eyes, wash eyes gently under running water for 15 minutes

or longer, making sure that the eyelids are held open. If pain or irritation occur,

obtain medical attention.

Skin Contact In case of skin contact, flush with copious amounts of water for at least 15

minutes. If pain or irritation occur, obtain medical attention.

Ingestion If ingested, wash mouth out with water. If irritation or discomfort occurs, seek

medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No adverse symptoms or effects have been identified.

4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

Section 5 Fire Fighting Measures

Flammable Properties

Nonflammable aqueous solution.

5.1 Extinguishing Media

In case of fire use carbon dioxide (CO2), dry chemical, water spray or foam.

For large fires use extinguishing media suitable for surrounding fire.

5.2 Special hazards arising from the substance or mixture

Special Fire and Explosion Hazards

No special hazards determined.

Hazardous Combustion Products

No combustion products posing significant hazards are expected from this

product (an aqueous solution).



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Section 5 Fire Fighting Measures (Continued)

5.3 Advice for fire fighters

Protective Equipment

Self-contained breathing apparatus is recommended for firefighters in all

chemical fire situations.

5.4 Additional information

No further relevant information available.

Section 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

No special precautions are necessary. Use good laboratory procedures.

Wear protective gloves, protective clothing and eye/face protection.

6.2 Environmental Precautions

Contain spill to prevent migration.

Do not allow the undiluted product to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up

Spill and Leak Procedures

Absorb spilled material with an appropriate inert, non-flammable absorbent and

dispose according to local regulations.

6.4 Reference to other sections

Refer sections 8 and 13.

Section 7 Handling and Storage

7.1 Precautions for safe handling No special precautions are necessary; use good laboratory procedures.

7.2 Conditions for safe storage, including any incompatibilities

Store at 2 to 30°C, as directed on the product label.

To maintain product quality, store according to the instructions in the product

labeling.

Store away from strong acids, strong bases, strong oxidizers and incompatible

materials (section 10).

7.3 Specific end uses

No further relevant information available.

Section 8 Exposure Controls and Personal Protection

8.1 Control parameters

Exposure Limits

US OSHA

None established

ACGIH

None established

DFG MAK

None established

Ireland

None established

IOELVs

None established

NIOSH

None established

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Section 8 Exposure Controls and Personal Protection (Continued)

Japan None established

8.2 Exposure controls

Other Information

Engineering Controls No special engineering controls are required. Use with good general ventilation.

Eve Protection Safety glasses or chemical goggles should be worn to prevent eye contact.

Refer U.S. OSHA 29 CFR 1910.133, European Standard EN166 or appropriate

government standards.

Skin Protection Impervious gloves, such as Nitrile or equivalent, should be worn to prevent skin

contact.

Refer U.S. OSHA 29 CFR 1910.138, European Standard EN374 or appropriate

government standards.

Respiratory Protection Under normal conditions, the use of this product should not require respiratory

protection.

Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties				
	Physical State	Liquid	Specific Gravity (Water=1.0)	1.02 @20°C
	Color	Colorless	Solubility	
	Transparency	Clear	Water	Miscible
	Odor	Odorless	Organic	Not determined
	рН	7.0	Partition coefficient: n-octanol/water	Not determined
	Freezing Point	Not determined	Auto-ignition Temp.	Not applicable
	Boiling Point	Not determined	Decomposition Temperature	Not determined
	Flash Point	Not applicable	Percent Volatiles	Not applicable
	Evaporation Rate	Not determined	Vapor Pressure	Not determined
	Flammability (Solid, Gas)	Not applicable	Viscosity	Not determined
	Flammability Limits	Not applicable	Explosive Properties	Not applicable
	Vapor Density	Not determined	Oxidizing Properties	Not applicable
	Odor Threshold	Not applicable		

Section 10 Stability and Reactivity

No further relevant information available.

10.1 Reactivity No further relevant information available.



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Section 10 Stability and Reactivity (Continued)

10.2 Chemical Stability

The product is stable in accordance with recommended storage conditions.

10.3 Possibility of hazardous reactions

No further relevant information available.

10.4 Conditions to Avoid

To maintain product performance keep away from strong acids, strong bases,

strong oxidizers.

Avoid exposure to heat and direct sunlight.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous Decomposition Products

No decomposition products posing significant hazards would be expected from

this product (an aqueous solution).

Section 11 Toxicological Information

11.1 Information on toxicological effects

Toxicity Data for Hazardous Ingredients

Not applicable

Primary Routes of Exposure

Eye contact, ingestion, inhalation, and skin contact.

Skin Corrosion/Irritation

No data available.

Serious eye damage/eye

No data available.

irritation

Respiratory/skin sensitization No data available.

Carcinogenicity

This product does not contain a reportable concentration (≥ 0.1%) of any ingredient listed as carcinogen by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Germ cell mutagenicity

No data available.

Reproductive Toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

Other Information

No further relevant information available.

Section 12 Ecological Information

12.1 Ecotoxicity

Fresh Water Species

No information available.

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Section 12 Ecological Information (Continued)

Microtox

No information available.

Water Flea

No information available.

Fresh Water Algae

No information available.

12.2 Persistence and degradability Not determined for the product.

12.3 Bioaccumulation

Not determined for the product.

12.4 Mobility in soil

Not determined for the product.

12.5 Results of PBT and vPvB assessment

Not determined for the product. PBT: Not applicable, vPvB: Not applicable.

12.6 Other Adverse Effects

No further relevant information available.

Section 13 Disposal Considerations

Waste treatment methods

Product Waste Disposal

Chemical residues and remains should be routinely handled as special waste. This must be disposed of in compliance with anti-pollution and other laws of the country concerned. To ensure compliance we recommend that you contact the relevant (local) authorities and/or an approved waste-disposal company for information.

13.2 Additional information

Suggested European waste catalogue 18 01 07 - chemicals other than those mentioned in 18 01 06. Dispose in accordance with national, state and local

waste regulations.

Section 14 Transport Information

Transportation of this product is not regulated under ICAO, IMDG, US DOT, European ADR or Canadian TDG.

Section 15 Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture US Federal and State Regulations

SARA 313

Formaldehyde is subject to reporting requirements of Section 313, Title III of

SARA. 0.1 % de minimis concentration

CERCLA RG's, 40 CFR 302.4

Formaldehyde is listed.

California Proposition 65

Formaldehyde has been identified by the State of California to cause cancer. The State of California has adopted a regulation which requires a warning be given to individual who may be exposed to chemicals identified by the State to cause

cancer or reproductive harm.

WARNING: This product contains a chemical known to the State of California

to cause cancer.

Massachusetts MSL

Formaldehyde is listed.

Trisodium Nitrilotriacetate is listed.

Sodium Sulfate is listed.



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Section 15 Regulatory Information (Continued)

New Jersey Dept. of Health RTK List

Formaldehyde is listed.

Propylene Glycol is listed.

Pennsylvania RTK

Formaldehyde is listed.

Propylene Glycol is listed.

Sodium Sulfate is listed.

EU Regulations

This SDS complies with EC Regulations 1907/2006 (REACH) and amendments.

Water Hazard Class (Germany) WGK 1, low water endangering

REACH 1907/2006 EC - Annex XIV - list of substances subject to authorization.

No ingredients listed.

According to EC Directives (1999/45/EC and 67/548 EEC)

Not classified as dangerous per EC Directives (1999/45/EC and 67/548 EEC)

Canada

This product is exempt from WHMIS label and SDS requirements.

Not applicable

Ingredients on Ingredient Disclosure List

Formaldehyde

Propylene Glycol

Ingredients with unknown toxicological properties

Product is exempt

15.2 Chemical Safety Assessment A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below OSHAs and WHMIS' 1.0% w/w (0.1% for carcinogens) or EU's ingredient speci 🕏 concentrations required for reporting in Section 3.

Section 16 Other Information

Beckman Coulter Safety Rating	Flammability: 0 Health: 1 Reactivity with Water: 0 Contact: 1	Code 0=None 1=Slight 2=Caution 3=Severe
Revision Changes	Undated to CUC	

Revision Unanges

Updated to GHS.





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Section 16 Other Information (Continued)

Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - European Agreement Concerning The International Carriage Of Dangerous

Goods By Road

CERCLA - The Comprehensive Environmental Response, Compensation, and

Liability Act

CLP - Classification, Labeling and Packaging

DFGMAK - Republic Germany's maximum exposure limit

GHS - Globally Harmonized System

HCS - Hazard Communication Standard

IARC - Internal Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods

IOELVs - European Unions' Indicative Occupational Exposure Limit Values

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PBT - Persistent bioaccumulative and toxic substances

SARA - Superfund Amendments and Reauthorization Act

TDG - Canadian Transportation Of Dangerous Goods Regulations.

UN GHS - United Nations Globally Harmonized System

US DOT - United States Department of Transportation

WHMIS - Workplace Hazardous Material Information System

vPvB - Very persistent and very bioaccumulative substances

For further information, please contact your local Beckman Coulter, Inc. representative.

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