



SAFETY DATA SHEET

Doc. ID: A50832-75 Rev. AD
Revised (year/month/day) 2015/04/08

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

1.1 Product Identifier

Product Name COULTER® TruColor™ Wright-Giemsa Stain
Part Number A50832
Series Name TruColor™

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

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

EC REP Address

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
Purple; Clear; Liquid; Alcohol odor

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

Flammable Liquids, Category 2
Acute Toxicity Oral, Category 3
Acute Toxicity Dermal, Category 3
Acute Toxicity Inhalation, Category 3
Specific Target Organ Toxicity Single Exposure Category 1

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

F;R11; T;R23/24/25-39/23/24/25

Section 2 Hazards Identification (Continued)

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

Flammable Liquids, Category 2
Acute Toxicity Oral, Category 3
Acute Toxicity Dermal, Category 3
Acute Toxicity Inhalation, Category 3
Specific Target Organ Toxicity Single Exposure Category 1

2.2 Label Elements

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

Hazardous Ingredients

Methanol

Pictogram



Signal Word

DANGER

Hazard Statements

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H331 Toxic if inhaled.
H370 Causes damage to organs.

Precautionary Statements

P210 Keep away from heat, hot surfaces, and sparks. No smoking.
P233 Keep container tightly closed.
P240 Ground container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharge.
P261 Avoid breathing vapours.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing and eye/face protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 IF ON SKIN (or hair): Rinse skin with water.
P304+P340 IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P308+P311 If exposed or concerned: Call a doctor/physician.
P311 Call a POISON CENTER or doctor/physician.
P330 Rinse mouth.
P361+P364 Take off immediately contaminated clothing and wash it before use.
P370+P378 In case of fire: Use water spray for extinction.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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Section 2 Hazards Identification (Continued)

P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/national regulations
Product label will display most significant precautionary statements.

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:		Hazard Classification of Pure Ingredients			
Chemical Name	% by wt.	EU-67/548/EEC	EU 1272/2008 CLP/GHS	GHS	
Methanol CAS # 67-56-1 EINECS # 200-659-6 Index # 603-001-00-X	80 - 90	F;R11 T;R23/24/25- 39/23/24/25	Acute Tox. Dermal 3 Acute Tox. Inhal. 3 Acute Tox. Oral 3 Flam. Liq. 2 STOT SE 1 H225; H301; H311; H331; H370	Acute Tox. Dermal 3 Acute Tox. Inhal. 3 Acute Tox. Oral 3 Flam. Liq. 2 STOT SE 1 H225; H301; H311; H331; H370	

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

Toxic if swallowed.
Toxic in contact with skin.
Toxic if inhaled.
Causes damage to organs.
See Section 11 Toxicological Information for more detailed health information.

Section 4 First Aid Measures (Continued)

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Section 5 Fire Fighting Measures

5.1 Extinguishing Media

Dry chemical, carbon dioxide or alcohol-resistant 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

Highly flammable liquid and vapour.

Hazardous Combustion Products

No further relevant information available.

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

Avoid inhaling, ingesting, and contact with eyes and skin.

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

6.2 Environmental Precautions

Contain spill to prevent migration or evaporation.

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

Use in well ventilated area away from heat or ignition sources.

7.2 Conditions for safe storage, including any incompatibilities

Store at 15 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.

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Section 8 Exposure Controls and Personal Protection

8.1 Control parameters

Exposure Limits

US OSHA

Methanol
CAS # 67-56-1
200 ppm TWA; 260 mg/m³ TWA

ACGIH

Methanol
CAS # 67-56-1
250 ppm STEL; 200 ppm TWA; Skin - potential significant contribution to overall exposure by the cutaneous route

DFG MAK

Methanol
CAS # 67-56-1
800 ppm Peak; 1080 mg/m³ Peak; skin notation; 200 ppm TWA MAK; 270 mg/m³ TWA MAK

Ireland

Methanol
CAS # 67-56-1
200 ppm TWA; 260 mg/m³ TWA; Potential for cutaneous absorption

IOELVs

Methanol
CAS # 67-56-1
Possibility of significant uptake through the skin; 200 ppm TWA; 260 mg/m³ TWA

NIOSH

Methanol
CAS # 67-56-1
6000 ppm IDLH; 250 ppm STEL; 325 mg/m³ STEL; 200 ppm TWA; 260 mg/m³ TWA

Japan

Methanol
CAS # 67-56-1
200 ppm OEL; 260 mg/m³ OEL

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.

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Section 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid	Specific Gravity (Water=1.0)	≈ 0.82
Color	Purple	Solubility	
Transparency	Clear	Water	Miscible
Odor	Alcohol odor	Organic	Miscible with alcohol and ether
pH	Not determined	Partition coefficient: n-octanol/water	Not determined
Freezing Point	Not determined	Auto-ignition Temp.	464.1°C (867.38°F)
Boiling Point	64.5°C (148.1°F)	Decomposition Temperature	Not determined
Flash Point	12.2°C (53.96°F)	Percent Volatiles	Not determined
Evaporation Rate	Not determined	Vapor Pressure	Not determined
Flammability (Solid, Gas)	Not applicable	Viscosity	Not determined
Flammability Limits	Not determined	Explosive Properties	Not applicable
Vapor Density	Not determined	Oxidizing Properties	Not applicable
Odor Threshold	Methanol 160 ppm geometric mean air odor threshold = (detectable); 690 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	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

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Section 11 Toxicological Information

11.1 Information on toxicological effects

Toxicity Data for Hazardous Ingredients

Methanol
CAS # 67-56-1

Inhalation LC50 Rat 83.2 mg/L 4 h; Inhalation LC50 Rat 64000 ppm 4 h; Oral LD50 Rat 5628 mg/kg; Dermal LD50 Rabbit 15800 mg/kg

Primary Routes of Exposure Eye contact, ingestion, inhalation, and skin contact.

Skin Corrosion/Irritation No data available.

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

Causes damage to organs.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard No data available.

Other Information Toxic if swallowed.
Toxic in contact with skin.
Toxic if inhaled.

Section 12 Ecological Information

12.1 Ecotoxicity

Fresh Water Species

Methanol
CAS # 67-56-1

96 h LC50 Pimephales promelas: 28200 mg/L [flow-through]; 96 h LC50 Pimephales promelas: >100 mg/L [static]; 96 h LC50 Oncorhynchus mykiss: 19500 - 20700 mg/L [flow-through]; 96 h LC50 Oncorhynchus mykiss: 18 - 20 mL/L [static]; 96 h LC50 Lepomis macrochirus: 13500 - 17600 mg/L [flow-through]

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.

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Section 12 Ecological Information (Continued)

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

13.1 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 06* - chemicals consisting of or containing dangerous substances. Dispose in accordance with national, state and local waste regulations.

Section 14 Transport Information

Shipping Information	IATA	IMDG	US DOT	European ADR	Canadian TDG
14.1 UN/ID Number	1230	1230	1230	1230	PIN - 1230
14.2 Shipping Name	Methanol Solution				
14.3 Hazard Class	3 Flammable Liquids	3 Flammable liquids	3 Flammable liquid	3 Flammable Liquids	3 Flammable Liquids
Subsidiary Risk	6.1 Toxic substances	6.1 Toxic substances	6.1 Poisonous materials	6.1 Toxic substances	6.1 Toxic substances
Classification Code	Not applicable	Not applicable	Not applicable	FT1	Not applicable
14.4 Packing Group	II	II	II	II	II
Special Provisions	A104; A113	279	Not applicable	279	43
Additional information					
IATA ERG Code	3L	Not applicable	Not applicable	Not applicable	Not applicable
EmS	Not applicable	F-E, S-D	Not applicable	Not applicable	Not applicable
NAERG Code	Not applicable	Not applicable	131	Not applicable	131
14.5 Environmental Hazards					
Marine Pollutant	Not applicable	No	Not applicable	Not applicable	Not applicable

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Section 14 Transport Information (Continued)

Shipping Information	IATA	IMDG	US DOT	European ADR	Canadian TDG
14.6 Special Precautions for user					
Warning: Flammable and toxic liquid.					
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code					
Not applicable					

Section 15 Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
<u>US Federal and State Regulations</u>	
SARA 313	Methanol is subject to reporting requirements of Section 313, Title III of SARA. 1.0 % de minimis concentration
CERCLA RG's, 40 CFR 302.4	Methanol is listed.
California Proposition 65	Methanol has been identified by the State of California to cause 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 reproductive harm.
Massachusetts MSL	Glycerol is listed. Methanol is listed.
New Jersey Dept. of Health RTK List	Glycerol is listed. Methanol is listed.
Pennsylvania RTK	Glycerol is listed. Methanol is listed.
<u>EU Regulations</u>	
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.	

Section 15 Regulatory Information (Continued)

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

Toxic

T



Highly flammable

F



Risk and Safety Phrases

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

S16 Keep away from sources of ignition - No smoking.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S7 Keep container tightly closed.

Canada

This product is exempt from WHMIS label and SDS requirements.

PIN

1230

Ingredients on Ingredient Disclosure List

Methanol

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: 3 Health: 3 Reactivity with Water: 0 Contact: 3	Code 0=None 1=Slight 2=Caution 3=Severe
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Revision Changes

Updated to GHS.

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

F - Highly flammable

T - Toxic

R11 Highly flammable.

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Acute Tox. Dermal 3 - Acute Toxicity Dermal, Category 3

Acute Tox. Inhal. 3 - Acute Toxicity Inhalation, Category 3

Acute Tox. Oral 3 - Acute Toxicity Oral, Category 3

Flam. Liq. 2 - Flammable Liquids, Category 2

STOT SE 1 - Specific Target Organ Toxicity Single Exposure Category 1

H225 - Highly flammable liquid and vapour.

H301 - Toxic if swallowed.

Section 16 Other Information (Continued)

Abbreviations and Acronyms

H311 - Toxic in contact with skin.
H331 - Toxic if inhaled.
H370 - Causes damage to organs.
H370 - Causes damage to organs (Respiratory system)
H370 - Causes damage to organs (Liver and Kidney)
H370 - Causes damage to organs (Kidney)
H370 - Causes damage to organs (Liver)
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 - International 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
LC50 - Lethal Concentration, 50%
LD50 - Lethal Dose, 50%

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

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