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

Supplier

CANADA
Beckman Coulter Canada LP
7075 Financial Drive
Mississauga, ON L5N 6V8
Canada
1-800-463-7828

AUSTRALIA
Beckman Coulter Australia Pty Ltd
23-27 Chaplin Drive
Lane Cove NSW 2066
Australia
ABN 81 002 011 672
24 Hour emergency contact phone number:
1800 060 881

NEW ZEALAND
Beckman Coulter NZ
Unit J, 33 Walmsley Road, Otahuhu,
Auckland 1062, New Zealand
Hours available: 08:30 - 17:00

ICELAND / ÍSLAND
Beckman Coulter AB
Ekbacksvägen 28
168 69 Bromma
Sweden
Phone No.: +46 80564 85 900
Hours available: 08.00-16.30

MALTA
DX Distributor:
Cherubino Ltd
DELF Building, Sliema Road, Gzira,
GZR 1637

UNITED KINGDOM
Beckman Coulter (UK) Ltd.
Amersham Place
Little Chalfont
Buckinghamshire
United Kingdom, HP7 9NA
01494 441181

SWITZERLAND
Beckman Coulter Eurocenter SA
22, rue Juste-Olivier, Case Postale 1044,
CH-1260 Nyon 1, Switzerland.
Telephone: +41 (0)22 365 36 11
Monday through Friday, 9:00 am to 7:00pm)

Beckman Coulter Ireland Inc.
Lismeehan
O'Callaghan's Mills
Co. Clare
Ireland
Tel: 353 (0)65 6831100

Section 1 Identification of the substance/mixture and of the company/undertaking (Continued)

Telephone: +356 21343270
Hours available: 08:30 – 17:00

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.

UNITED STATES - Emergency Phone (24h): Chemtrec (800) 424-9300, International (001) 703-527-3887

CANADA - Poison Centre: 1-844-764-7669; Centre antipoison du Québec: 1-800-463-5060

UNITED KINGDOM - For UK and Scotland: Emergency Call 999

IRELAND - National Poisons Information Centre Phone No.: Members of Public: +353 (01) 809 2166 (8:00 am to 10:00 pm 7 days a week); Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

AUSTRALIA - 24 Hour emergency contact phone number: 1800 060 881

NEW ZEALAND - 24 Hour emergency number: 0800 446 109

Section 2 Hazards identification

2.1 Classification of the substance or mixture

Product description Mixture

Purple; Liquid; Alcohol odor

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

Flammable Liquids, Category 2, H225
Acute Toxicity Oral, Category 3, H301
Acute Toxicity Dermal, Category 3, H311
Acute Toxicity Inhalation, Category 3, H331
Specific Target Organ Toxicity Single Exposure Category 1, H370

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

Section 2 Hazards identification (Continued)

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

Prevention

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 no 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.

Response

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.

Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

Disposal

P501 Dispose of contents/container in accordance with local/national regulations

Product label will display most significant precautionary statements.

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:		Hazard classification of pure ingredients		
Chemical name	**% by wt.**	**EU 1272/2008 CLP/GHS**	**GHS**	**Note**
Methanol CAS # 67-56-1 EINECS # 200-659-6 Index # 603-001-00-X	80 - 90	Acute Tox. Dermal 3, H311 Acute Tox. Inhal. 3, H331 Acute Tox. Oral 3, H301 Flam. Liq. 2, H225 STOT SE 1, H370 Specific Concentration Limit (SCL) STOT SE 1 H370 >= 10% STOT SE 2 H371 >= 3% - < 10% Acute Toxicity Estimates (ATE) ATE Dermal = 300 mg/kg ATE Inhalation - Vapors = 3 mg/L ATE Oral = 100 mg/kg	Acute Tox. Dermal 3, H311 Acute Tox. Inhal. 3, H331 Acute Tox. Oral 3, H301 Flam. Liq. 2, H225 STOT SE 1, H370	

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

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 by trained personnel and obtain medical attention immediately.

Eye contact — If product enters eyes, rinse eyes gently with water as a precaution.

Skin contact — In case of skin contact, rinse with water as a precaution.

Ingestion — If product is ingested, rinse mouth with water. Do not induce vomiting or give anything by mouth. Obtain medical attention immediately.

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. Refer to Section 4.1.

Section 5 Firefighting 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 firefighters

Protective equipment

Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.

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.

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

ACGIH Biological Exposure Indices (BEI)

Methanol CAS # 67-56-1	15 mg/L medium: urine time: end of shift parameter: Methanol (background, nonspecific)

DFG MAK

Methanol CAS # 67-56-1	200 ppm Peak; 260 mg/m3 Peak; skin notation; 100 ppm TWA MAK; 130 mg/m3 TWA MAK

Ireland

Methanol CAS # 67-56-1	200 ppm TWA; 260 mg/m3 TWA; 600 ppm STEL (calculated); 780 mg/m3 STEL (calculated); 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

China

Methanol CAS # 67-56-1	50 mg/m3 STEL; Skin notation; 25 mg/m3 TWA

Croatia

Methanol CAS # 67-56-1	Skin Notation; 200 ppm TWA [GVI]; 260 mg/m3 TWA [GVI]
Glycerol CAS # 56-81-5	10 mg/m3 TWA [GVI]

Japan

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

Sweden (AFS 2015:7 and amendments)

Methanol CAS # 67-56-1	200 ppm TLV NGV; 250 mg/m3 TLV NGV; 250 ppm Indicative STEL Vägledande KGV; 350 mg/m3 Indicative STEL Vägledande KGV; Skin notation

Turkey

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

Section 8 Exposure controls and personal protection (Continued)

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	Wear impervious gloves such as Nitrile or equivalent and protective clothing. Refer to U.S. OSHA 29 CFR 1910.138, European Standard EN 374, EN 14605:2005+A1:2009 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	**Density and/or relative density**	≈ 0.82
Color	Purple	**Solubility**	
Odor	Alcohol odor	**Water**	Miscible
pH	Not determined	**Organic**	Miscible with alcohol and ether
Freezing point	Not determined	**Partition coefficient n-octanol/water (log value)**	Not determined
Boiling point or initial boiling point and boiling range	64.5°C (148.1°F)	**Auto-ignition temp.**	464.1°C (867.38°F)
Flash point	12.2°C (53.96°F)	**Decomposition temperature**	Not determined
Flammability	Not applicable	**Vapor pressure**	Not determined
		Kinematic viscosity	Not determined
Lower and upper explosion limit	Not determined		
Relative vapor density	Not determined		
Particle characteristics	Not applicable		

9.2 Other information

Information with regard to physical hazard classes

No further relevant information available.

Section 9 Physical and chemical properties (Continued)

Other safety characteristics

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.

Section 11 Toxicological information

11.1 Information on hazard classes

Toxicity data for hazardous ingredients

Methanol CAS # 67-56-1	Dermal LD50 Rabbit 15840 mg/kg (NLM_HSDB); Inhalation LC50 Rat 22500 ppm 8 h (JAPAN_GHS); Oral LD50 Rat 6200 mg/kg (JAPAN_GHS)

Primary routes of exposure — Eye contact, ingestion, inhalation, and skin contact.

Acute toxicity — Toxic if swallowed.
Toxic in contact with skin.
Toxic if inhaled.

Skin corrosion/irritation — Not classified based on available data.

Serious eye damage/irritation — Not classified based on available data.

Respiratory or skin sensitisation — Not classified based on available data.

Germ cell mutagenicity — Not classified based on available data.

Carcinogenicity — No ingredients in this product are listed as carcinogens by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.

Reproductive toxicity — Not classified based on available data.

Specific target organ toxicity (STOT) – single exposure

Causes damage to organs.

Section 11 Toxicological information (Continued)

Specific target organ toxicity (STOT) – repeated exposure

Not classified based on available data.

Aspiration hazard Not classified based on available data.

11.2 Information on other hazards

Endocrine disrupting properties

This product does not have substance(s) of endocrine disrupting properties for health according to REACH Article 57(f).

Other information No further relevant information available.

Section 12 Ecological information

12.1 Toxicity

Fresh water species

Methanol CAS # 67-56-1	LC50 96 h Pimephales promelas: 28200 mg/L [flow-through] (EPA); LC50 96 h Pimephales promelas: >100 mg/L [static] (EPA); LC50 96 h Oncorhynchus mykiss: 19500 - 20700 mg/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss: 18 - 20 mL/L [static] (EPA); LC50 96 h Lepomis macrochirus: 13500 - 17600 mg/L [flow-through] (EPA)

Microtox/organisms

Methanol CAS # 67-56-1	LC50 48 h Eisenia foetida >1 mg/cm2 [filter paper](IUCLID)

Water flea No information available.

Fresh water algae No information available.

12.2 Persistence and degradability Not determined for the product.

12.3 Bioaccumulative potential 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 Endocrine disrupting properties

This product does not have substance(s) of endocrine disrupting properties for environment according to REACH Article 57(f).

12.7 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.

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	UN proper shipping name	Methanol Solution				
14.3	Transport hazard class(es)	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

14.6 Special precautions for user

Warning: Flammable and toxic liquid.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

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 (Section 313, Title III reporting requirements)

CAS # 67-56-1 Methanol 1.0% de minimis concentration

Section 15 Regulatory information (Continued)

CERCLA (The Comprehensive Environmental Response, Compensation, and Liability Act) 40 CFR 302.4

CAS # 67-56-1 Methanol

California Proposition 65

⚠ **WARNING** This product can expose you to chemical which is known to the State of California to cause cancer and/or reproductive harm. For more information go to www.P65Warnings.ca.gov

Chemical which is known to the State of California to cause cancer

No ingredients listed.

Chemical which is known to the State of California to cause development toxicity

CAS # 67-56-1 Methanol

Chemical which is known to the State of California to cause male reproductive toxicity

No ingredients listed.

Chemical which is known to the State of California to cause female reproductive toxicity

No ingredients listed.

Massachusetts Right To Know (RTK) List

CAS # 67-56-1 Methanol
CAS # 56-81-5 Glycerol

New Jersey Dept. of Health Right To Know (RTK) List

CAS # 67-56-1 Methanol
CAS # 56-81-5 Glycerol

Pennsylvania Right To Know (RTK) List

CAS # 67-56-1 Methanol
CAS # 56-81-5 Glycerol

EU Regulations

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

Water Hazard Class (Germany)

WGK 2, water endangering

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Substances Subject to Suspicious Transactions Reporting

No ingredients listed.

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors - Restricted Explosives Precursors

No ingredients listed.

Section 15 Regulatory information (Continued)

REACH 1907/2006 EC - Candidate List of Substances of Very High Concern (SVHC)

No ingredients listed.

REACH 1907/2006 EC - Annex XVII – Restrictions on Certain Dangerous Substances

CAS # 67-56-1 Methanol Entry No.: 69; 75

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

No ingredients listed.

Refer to Section 3

UK Regulations

UK REACH Regulation (as Amended) - List of substances subject to authorisation

Refer to Section 3

Canada

This product is exempt from WHMIS label and SDS requirements.

China

Catalog of Hazardous Chemicals - Hazardous Chemicals

CAS # 67-56-1 Methanol

Inventory - China - Inventory of Existing Chemical Substances (IECSC)

All ingredients are listed or exempted.

Turkey

Türkiye-REACH - KKDIK Regulation - Annex 17 – Restrictions

No ingredients listed.

International

UN/FAO/Rotterdam Convention - Chemicals Subject to Prior Informed Consent (PIC)

No ingredients listed.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

Some hazardous ingredients listed in Section 15 are below the cutoff limits of 0.1% for carcinogen, mutagen and reproductive toxin and 1% for other health hazards required for reporting in Section 3.

Section 16 Other information

Beckman Coulter safety rating	**Flammability: 3** **Health: 3** **Reactivity with water: 0** **Physical contact: 3**	Code 0=None 1=Slight 2=Caution 3=Severe

Revision changes Update supplier addresses in Section 1.3

Document version and issue/revision date

Revision Date (year/month/day) 2025/09/20

Section 16 Other information (Continued)

Last Revision Date (year/month/day) 2024/07/09
Document ID: A50832-75
Version: AK

Hazard Classification Procedure

This mixture was classified using the calculation method for human health and environmental hazards. Physical hazards were determined based on the specification.

Description of hazard class and hazard statements from Section 3

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.
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)

Abbreviations and acronyms

ACGIH - American Conference of Governmental Industrial Hygienists (ACGIH)
ADR and RID - European Agreement Concerning the International Carriage of Dangerous Goods by Road and Rail
CLP - Classification, Labeling and Packaging
DFGMAK - Republic Germany's maximum exposure limit
EC50 - Concentration of a substance in an environmental medium expected to produce a certain effect in 50% of test organisms
GHS - Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
HCS - Hazard Communication Standard
IARC - International Agency for Research on Cancer
IATA DGR - International Air Transport Association Dangerous Goods Regulation
ICAO - International Civil Aviation Organization
IDLH - Immediately Dangerous to Life or Health
IMDG - International Maritime Dangerous Goods
IMO - International Maritime Organization
IOELVs - European Unions' Indicative Occupational Exposure Limit Values
LC50 - Concentration of a substance in water causing death (50% of the tested population) to aquatic life
LD50 - Lethal Dose 50%
NIOSH - National Institute for Occupational Safety and Health
NTP - National Toxicology Program

Section 16 Other information (Continued)

OSHA - Occupational Safety and Health Administration
PBT - Persistent Bioaccumulative and Toxic substances
PEL - Permissible Exposure Limit
SARA - Superfund Amendments and Reauthorization Act
STEL – Short Term Exposure Limit
STLV - Short Term Limit Value
STV - Short Term Value
TDG - Canadian Transportation of Dangerous Goods Regulations
TLV - Threshold Limit Value
TWA – Time Weighted Average
UN GHS - United Nations Globally Harmonized System
US DOT - United States Department of Transportation
US OSHA - United States Occupational Safety and Health Administration
vPvB - very Persistent and very Bioaccumulative substances
WHMIS - Workplace Hazardous Material Information System

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