

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

### 1.1 Product identifier

**Product name** ISE Low Serum Standard

**Part number** AUH1014

### 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

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

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

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

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)

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

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

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  
DELFI Building, Sliema Road, Gzira,  
GZR 1637  
Telephone: +356 21343270  
Hours available: 08:30 – 17:00

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

**e-mail address** SDSNT@beckman.com  
Further information Contact:  
Customer support Unit, Beckman Coulter Ireland Inc.  
Technical Service Department Tel. +001-800-854-3633 (PST)  
E-mail CC\_Support.ie@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  
Tel +353 (0)65 683 1170; 08:00 - 16:30 hrs Mon-Thur, 08:00 - 15:30 hrs Fri (GMT) Tel +001-800-223-0130 (PST)

### 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** In vitro diagnostic reagent.  
Colorless; Liquid; Odorless

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

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

### 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 Hazardous ingredients

Formaldehyde

#### Pictogram

None

#### Signal word

None

# SAFETY DATA SHEET

Document ID: AUH1014-75 Version 08  
Revision Date (year/month/day) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26

## Section 2 Hazards identification (Continued)

### Hazard statements

EUH208 May produce an allergic reaction.

### Precautionary statements

#### Prevention

None

#### Response

None

#### Storage

None

#### Disposal

None

### 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
Formaldehyde CAS # 50-00-0 EINECS # 200-001-8 Index # 605-001-00-5	< 0.1	Acute Tox. Inhal. 2, H330 Acute Tox. Oral 4, H302 Carc. 1B, H350 Muta. 2, H341 Skin Corr. 1B, H314 Skin Sens. 1A, H317 EUH071  Specific Concentration Limit (SCL) Skin Irrit. 2 H315 >= 5% - < 25% STOT SE 3 H335 >= 5% Skin Corr. 1B H314 >= 25% Eye Irrit. 2 H319 >= 5% - < 25%  Acute Toxicity Estimates (ATE) ATE Oral = 500 mg/kg ATE Inhalation - Gases = 100 ppmV	Acute Tox. Inhal. 2, H330 Acute Tox. Oral 4, H302 Carc. 1B, H350 Muta. 2, H341 Skin Corr. 1B, H314 Skin Sens. 1A, H317	15, 8

15 - May produce an allergic reaction.

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 description of hazard class and hazard statements

## SAFETY DATA SHEET

Document ID: AUH1014-75 Version 08  
Revision Date (year/month/day) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26

### Section 4 First aid measures

---

#### 4.1 Description of first aid measures

<b>Inhalation</b>	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.
<b>Eye contact</b>	If product enters eyes, rinse eyes gently with water as a precaution.
<b>Skin contact</b>	In case of skin contact, rinse with water as a precaution.
<b>Ingestion</b>	If product is ingested, rinse mouth with water. If irritation or discomfort occurs, obtain medical attention immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

This product contains a sensitizing substance below concentration limit, may produce an allergic reaction in some people. Refer Section 3.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No specific medical attention or treatment required.

### Section 5 Firefighting measures

---

**5.1 Extinguishing media** In case of fire use carbon dioxide (CO<sub>2</sub>), 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 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** 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 25°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

Formaldehyde  
CAS # 50-00-0 0.75 ppm TWA; 2 ppm STEL (see 29 CFR 1910.1048)

##### ACGIH

Formaldehyde  
CAS # 50-00-0 0.3 ppm STEL; 0.1 ppm TWA

##### ACGIH Biological Exposure Indices (BEI)

None established

##### DFG MAK

Formaldehyde  
CAS # 50-00-0 0.6 ppm Peak (no irritation should occur during mixed exposure); 0.74 mg/m<sup>3</sup> Peak (no irritation should occur during mixed exposure); 0.3 ppm TWA MAK (no irritation should occur during mixed exposure); 0.37 mg/m<sup>3</sup> TWA MAK (no irritation should occur during mixed exposure)

##### Ireland

Formaldehyde  
CAS # 50-00-0 0.3 ppm TWA; 0.5 ppm TWA (for the healthcare, funeral and embalming sectors until July 11, 2024); 0.37 mg/m<sup>3</sup> TWA; 0.62 mg/m<sup>3</sup> TWA (for the healthcare, funeral and embalming sectors until July 11, 2024); 0.6 ppm STEL (calculated); 0.738 mg/m<sup>3</sup> STEL (calculated); 0.62 mg/m<sup>3</sup> STEL (for the healthcare, funeral and embalming sectors until July 11, 2024)

##### IOELVs

Formaldehyde  
CAS # 50-00-0 Present (Dermal sensitisation: the substance can cause sensitisation of the skin); 0.37 mg/m<sup>3</sup> TWA; 0.62 mg/m<sup>3</sup> TWA (limit value until 11 July 2024); 0.3 ppm TWA; 0.5 ppm TWA (limit value until 11 July 2024); 0.74 mg/m<sup>3</sup> STEL (limit value of 0.62 mg/m<sup>3</sup> or 0.5 ppm for the health care, funeral and embalming sectors until 11 July 2024); 0.6 ppm STEL (limit value of 0.62 mg/m<sup>3</sup> or 0.5 ppm for the health care, funeral and embalming sectors until 11 July 2024)

##### NIOSH

Formaldehyde  
CAS # 50-00-0 20 ppe IDLH; 0.016 ppm TWA

## SAFETY DATA SHEET

Document ID: AUH1014-75 Version 08  
Revision Date (year/month/day) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26

### Section 8 Exposure controls and personal protection (Continued)

#### China

Formaldehyde  
CAS # 50-00-0 0.5 mg/m<sup>3</sup> Ceiling MAC

#### Croatia

Formaldehyde  
CAS # 50-00-0 0.3 ppm TWA [GVI] (except health, funeral and embalming sector); 0.37 mg/m<sup>3</sup> TWA [GVI] (except health, funeral and embalming sector); 0.5 ppm TWA [GVI] (applies to health, funeral and embalming sector applies until July 11, 2024); 0.62 mg/m<sup>3</sup> TWA [GVI] (applies to health, funeral and embalming sector applies until July 11, 2024); 0.6 ppm STEL [KGV]; 0.74 mg/m<sup>3</sup> STEL [KGV]; Carcinogen Category 1B

#### Japan

Formaldehyde  
CAS # 50-00-0 0.1 ppm OEL; 0.12 mg/m<sup>3</sup> OEL

#### Sweden (AFS 2015:7 and amendments)

Formaldehyde  
CAS # 50-00-0 0.3 ppm TLV NGV; 0.37 mg/m<sup>3</sup> TLV NGV; 0.6 ppm Binding STEL Bindande KGV; 0.74 mg/m<sup>3</sup> Binding STEL Bindande KGV; Skin notation

#### Turkey

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

Wear protective clothing and impervious gloves, as appropriate.

##### 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

<b>Physical state</b>	Liquid	<b>Density and/or relative density</b>	1.01 @20°C
<b>Color</b>	Colorless	<b>Solubility</b>	
<b>Odor</b>	Odorless	<b>Water</b>	Fully miscible
<b>pH</b>	Not determined	<b>Organic</b>	Not determined
<b>Freezing point</b>	Similar to water, approximately 0°C	<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	Similar to water, approximately 100°C	<b>Auto-ignition temp.</b>	Product is not selfigniting

## SAFETY DATA SHEET

Document ID: AUH1014-75 Version 08  
Revision Date (year/month/day) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26

### Section 9 Physical and chemical properties (Continued)

<b>Flash point</b>	Not applicable	<b>Decomposition temperature</b>	Not determined
<b>Flammability</b>	Not applicable	<b>Vapor pressure</b>	Similar to water, approximately 23 hPa
		<b>Kinematic viscosity</b>	Not determined
<b>Lower and upper explosion limit</b>	Not applicable		
<b>Relative vapor density</b>	Not determined		
<b>Particle characteristics</b>	Not applicable		
<b>9.2 Other information</b>			
<b>Information with regard to physical hazard classes</b>	No further relevant information available.		
<b>Other safety characteristics</b>	No further relevant information available.		

### Section 10 Stability and reactivity

<b>10.1 Reactivity</b>	No further relevant information available.
<b>10.2 Chemical stability</b>	The product is stable in accordance with recommended storage conditions.
<b>10.3 Possibility of hazardous reactions</b>	No further relevant information available.
<b>10.4 Conditions to avoid</b>	Avoid exposure to heat and direct sunlight. To maintain product performance keep away from strong acids, strong bases, strong oxidizers.
<b>10.5 Incompatible materials</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products</b>	No decomposition products posing significant hazards would be expected from this product (an aqueous solution).

### Section 11 Toxicological information

<b>11.1 Information on hazard classes</b>	
<b>Toxicity data for hazardous ingredients</b>	
Formaldehyde CAS # 50-00-0	Dermal LD50 Rat >2000 mg/kg (ECHA_API); Inhalation LC50 Rat <463 ppm 4 h (vapor)(ECHA_API); Oral LD50 Rat 100 mg/kg (NLM_CIP)
<b>Primary routes of exposure</b>	Eye contact, ingestion, inhalation, and skin contact.
<b>Acute toxicity</b>	Not classified based on available data.
<b>Skin corrosion/irritation</b>	Not classified based on available data.
<b>Serious eye damage/irritation</b>	Not classified based on available data.

## Section 11 Toxicological information (Continued)

<b>Respiratory or skin sensitisation</b>	This product contains a sensitizing substance below concentration limit, may produce an allergic reaction in some people. Refer Section 3.
<b>Germ cell mutagenicity</b>	Not classified based on available data.
<b>Carcinogenicity</b>	This product does not contain a reportable concentration ( $\geq 0.1\%$ ) of any ingredient listed as carcinogen by ACGIH, IARC, NTP, OSHA or 1272/2008 EC regulation.
<b>Reproductive toxicity</b>	Not classified based on available data.
<b>Specific target organ toxicity (STOT) – single exposure</b>	Not classified based on available data.
<b>Specific target organ toxicity (STOT) – repeated exposure</b>	Not classified based on available data.
<b>Aspiration hazard</b>	Not classified based on available data.
<b>11.2 Information on other hazards</b>	
<b>Endocrine disrupting properties</b>	This product does not have substance(s) of endocrine disrupting properties for health according to REACH Article 57(f).
<b>Other information</b>	No further relevant information available.

## Section 12 Ecological information

<b>12.1 Toxicity</b>	
<b>Fresh water species</b>	
Formaldehyde CAS # 50-00-0	LC50 96 h Pimephales promelas: 22.6 - 25.7 mg/L [flow-through] (EPA); LC50 96 h Lepomis macrochirus: 1510 µg/L [static] (EPA); LC50 96 h Brachydanio rerio: 41 mg/L [static] (IUCLID); LC50 96 h Oncorhynchus mykiss: 0.032 - 0.226 mL/L [flow-through] (EPA); LC50 96 h Oncorhynchus mykiss: 100 - 136 mg/L [static] (EPA); LC50 96 h Pimephales promelas: 23.2 - 29.7 mg/L [static] (EPA)
<b>Microtox/organisms</b>	No information available.
<b>Water flea</b>	
Formaldehyde CAS # 50-00-0	LC50 48 h Daphnia magna: 2 mg/L (IUCLID); EC50 48 h Daphnia magna: 11.3 - 18 mg/L [Static] (EPA)
<b>Fresh water algae</b>	No information available.
<b>12.2 Persistence and degradability</b>	Not determined for the product.
<b>12.3 Bioaccumulative potential</b>	Not determined for the product.
<b>12.4 Mobility in soil</b>	Not determined for the product.
<b>12.5 Results of PBT and vPvB assessment</b>	Not determined for the product. PBT: Not applicable, vPvB: Not applicable.

---

## Section 12 Ecological information (Continued)

---

### 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.

#### Package disposal

Dispose of waste product, unused product and contaminated packaging in compliance with federal, state and local regulations. If unsure of the applicable requirements, contact the authorities for information.

#### 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, IATA DGR, IMDG, US DOT, European ADR and RID or Canadian TDG.

14.1 UN/ID number: Not regulated for transportation

14.2 UN proper shipping name: Not regulated for transportation

14.3 Transport hazard class(es): Not regulated for transportation

14.4 Packing group: Not regulated for transportation

14.5 Environmental hazards: Not regulated for transportation

14.6 Special precautions for user: None

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 # 50-00-0

Formaldehyde

0.1% de minimis concentration

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

CAS # 50-00-0

Formaldehyde

---

## Section 15 Regulatory information (Continued)

---

### 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](http://www.P65Warnings.ca.gov)

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

CAS # 50-00-0          Formaldehyde

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

No ingredients listed.

#### 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 # 7757-82-6          Sodium Sulfate

CAS # 50-00-0          Formaldehyde

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

CAS # 50-00-0          Formaldehyde

### Pennsylvania Right To Know (RTK) List

CAS # 7757-82-6          Sodium Sulfate

CAS # 50-00-0          Formaldehyde

### EU Regulations

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

### **Water Hazard Class (Germany)**

WGK 1, low 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.

### **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**

Not applicable.

## Section 15 Regulatory information (Continued)

### 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 # 50-00-0      Formaldehyde

#### 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

<b>Beckman Coulter safety rating</b>	<b>Flammability: 0</b> <b>Health: 1</b> <b>Reactivity with water: 0</b> <b>Physical contact: 1</b>	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) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26  
Document ID: AUH1014-75  
Version: 08

## Section 16 Other information (Continued)

**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. Inhal. 2 - Acute Toxicity Inhalation, Category 2  
Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4  
Carc. 1B - Carcinogenicity Category 1B  
Muta. 2 - Germ Cell Mutagenicity Category 2  
Skin Corr. 1B - Skin Corrosion Category 1B  
Skin Sens. 1A - Skin Sensitization Category 1A  
EUH071 - Corrosive to the respiratory tract.  
H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H330 - Fatal if inhaled.  
H341 - Suspected of causing genetic defects.  
H350 - May cause cancer.

**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  
OSHA - Occupational Safety and Health Administration  
PBT - Persistent Bioaccumulative and Toxic substances  
PEL - Permissible Exposure Limit  
SARA - Superfund Amendments and Reauthorization Act

## **SAFETY DATA SHEET**

Document ID: AUH1014-75 Version 08  
Revision Date (year/month/day) 2025/06/28  
Last Revision Date (year/month/day) 2024/07/26

---

### **Section 16 Other information (Continued)**

---

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.

---

WHILE BECKMAN COULTER, INC. BELIEVES THE INFORMATION CONTAINED HEREIN IS VALID AND ACCURATE, BECKMAN COULTER, INC. MAKES NO WARRANTY OR REPRESENTATION AS TO ITS VALIDITY, ACCURACY, OR CURRENCY. BECKMAN COULTER, INC. SHALL NOT BE LIABLE OR OTHERWISE RESPONSIBLE IN ANY WAY FOR USE OF EITHER THIS INFORMATION OR MATERIALS TO WHICH IT APPLIES. DISPOSAL OF HAZARDOUS MATERIALS MAY BE SUBJECT TO LOCAL LAWS OR REGULATIONS.