

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

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

#### 1.1 Product identifier

**Product name** RBC FOLATE LYSING AGENT  
**Part number** A14206  
**Series name** ACCESS

#### 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.  
This safety data sheet is provided for information only, not required by regulations

#### 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

Beckman Coulter Ireland Inc.  
Lismeehan, O'Callaghan's Mills,  
Co. Clare, Ireland  
Tel: +(353) (0) 65 683 1100

**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 the substance or mixture

**Product description** Mixture  
Colorless; Lyophilized - Liquid after reconstitution.; 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

Not classified as hazardous per EC 1272/2008 (CLP/GHS), US-OSHA and GHS

#### 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.

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### 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

<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

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 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.

#### 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.

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### Section 6 Accidental release measures (Continued)

- 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** If the product is solid or lyophilized form, use vacuum or carefully sweep up spilled material and place in container for suitable disposal. Avoid generating dust.  
If the product is liquid form, absorb spilled material with an appropriate inert, non-flammable absorbent and dispose according to local regulations.  
Dispose of all waste material in accordance with local guidelines.
- 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 8 to 30°C, as directed on the product label.  
Store at 2 to 8°C upon reconstitution.  
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**
- |   |                  |
|---|------------------|
| <b>US OSHA</b>                            | None established |
| <b>ACGIH</b>                              | None established |
| <b>DFG MAK</b>                            | None established |
| <b>Ireland</b>                            | None established |
| <b>IOELVs</b>                             | None established |
| <b>NIOSH</b>                              | None established |
| <b>Japan</b>                              | None established |
| <b>Sweden (AFS 2015:7 and amendments)</b> | None established |
- 8.2 Exposure controls**
- Engineering controls** No special engineering controls are required. Use with good general ventilation.

# SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

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

<b>Eye protection</b>	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.
<b>Skin protection</b>	Wear protective clothing and impervious gloves, as appropriate.
<b>Respiratory protection</b>	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>	Lyophilized - Liquid after reconstitution.	<b>Density and/or relative density</b>	≈ 1 @20°C
<b>Color</b>	Colorless	<b>Solubility</b>	
<b>Odor</b>	Odorless	<b>Water</b>	Miscible
<b>pH</b>	3.2	<b>Organic</b>	Not determined
<b>Freezing point</b>	Not determined	<b>Partition coefficient n-octanol/water (log value)</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	Not determined	<b>Auto-ignition temp.</b>	Not applicable
<b>Flash point</b>	Not applicable	<b>Decomposition temperature</b>	Not determined
<b>Flammability</b>	Not applicable	<b>Vapor pressure</b>	Not determined
		<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		

### 9.2 Other information

#### Information with regard to physical hazard classes

No further relevant information available.

#### Other safety characteristics

No further relevant information available.

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### 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>	To maintain product performance keep away from strong acids, strong bases, strong oxidizers. Avoid exposure to heat and direct sunlight.
<b>10.5 Incompatible materials</b>	No further relevant information available.
<b>10.6 Hazardous decomposition products</b>	When stored as labeled, no known hazardous decomposition products are formed during the shelf-life of this product.

### Section 11 Toxicological information

<b>11.1 Information on hazard classes</b>	
<b>Toxicity data for hazardous ingredients</b>	Not applicable
<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.
<b>Respiratory or skin sensitisation</b>	Not classified based on available data.
<b>Germ cell mutagenicity</b>	Not classified based on available data.
<b>Carcinogenicity</b>	No ingredients in this product are listed as carcinogens 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>	

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### Section 11 Toxicological information (Continued)

	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>	No information available.
<b>Microtox/organisms</b>	No information available.
<b>Water flea</b>	No information available.
<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.
<b>12.6 Endocrine disrupting properties</b>	
	This product does not have substance(s) of endocrine disrupting properties for environment according to REACH Article 57(f).
<b>12.7 Other adverse effects</b>	No further relevant information available.

### Section 13 Disposal considerations

<b>13.1 Waste treatment methods</b>	
<b>Product waste disposal</b>	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.
<b>Package disposal</b>	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.
<b>Additional information</b>	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.

## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### 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)**

No ingredients listed.

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

No ingredients listed.

##### **California Proposition 65**

**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**

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**

No ingredients listed.

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

No ingredients listed.

##### **Pennsylvania Right To Know (RTK) List**

# SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

## Section 15 Regulatory information (Continued)

No ingredients listed.

### EU Regulations

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

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

Refer to Section 3

### **Regulation (EU) 2019/1148 on the marketing and use of explosives**

No ingredients listed.

### 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.

## **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>	<b>Code</b> 0=None 1=Slight 2=Caution 3=Severe
<b>Revision changes</b>	Revised to include EC 2020/878 amendment to REACH EC 1907/2006	
<b>Document version and issue/revision date</b>	Revision Date (year/month/day) 2023/05/17 Last Revision Date (year/month/day) 2022/06/06 Document ID: A16846 Version: AG	
<b>Abbreviations and acronyms</b>	ACGIH - American Conference of Governmental Industrial Hygienists ADR and RID - European Agreement Concerning The International Carriage Of Dangerous Goods By Road and Rail 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 DGR - International Air Transport Association Dangerous Goods Regulation ICAO - International Civil Aviation Organization	



## SAFETY DATA SHEET

Document ID: A16846 Version AG  
Revision Date (year/month/day) 2023/05/17  
Last Revision Date (year/month/day) 2022/06/06

### Section 16 Other information (Continued)

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  
TLV - Threshold Limit Value  
TWA – Time weighted Average  
STEL – Short Term Exposure Limit  
IDLH - Immediately Dangerous To Life or Health  
STLV - Short Term Limit Value  
STV - Short Term Value  
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

Beckman Coulter, the stylized logo, and the Beckman Coulter product and service marks mentioned herein are trademarks or registered trademarks of Beckman Coulter, Inc. in the United States and other countries.

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.