

# SAFETY DATA SHEET

Document ID: 472137-75 Version AH  
Revision Date (year/month/day) 2020/12/22  
Last Revision Date (year/month/day) 2015/05/08

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

### 1.1 Product Identifier

**Product Name** Hemolyzing Reagent  
**Part Number** 472137  
**Series Name** SYNCHRON and AU Systems

### 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

#### EC REP Address

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)

**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 US-OSHA (HCS 29 CFR 1910.1200) and UN GHS

Skin Irritation Category 3  
Aquatic Hazard Acute, Category 3

### 2.2 Label Elements

#### According to US-OSHA / UN GHS Hazardous Ingredients

Tetradecyltrimethylammonium bromide

#### Pictogram

None

#### Signal Word

WARNING

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## Section 2 Hazards Identification (Continued)

### 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.

### 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
Tetradecyltrimethylammonium bromide CAS # 1119-97-7 EINECS # 214-291-9 Index # Not available	0.1 - 1	Aquatic Acute 1, H400 Eye Dam. 1, H318 Skin Corr. 1C, H314	Aquatic Acute 1, H400 Eye Dam. 1, H318 Skin Corr. 1C, H314	

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 plenty of water. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical advice/attention.

#### Ingestion

If product is ingested, rinse mouth with water. If irritation or discomfort occurs, obtain medical attention immediately.

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### Section 4 First Aid Measures (Continued)

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**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. Refer to Section 4.1.

### Section 5 Fire Fighting Measures

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**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 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

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**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

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

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### Section 7 Handling and Storage (Continued)

#### 7.2 Conditions for safe storage, including any incompatibilities

Store at 2 to 8°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

**Japan** None established

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

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 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

<b>Physical State</b>	Liquid	<b>Specific Gravity (Water=1.0)</b>	≈1.0 @20°C
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### Section 9 Physical and Chemical Properties (Continued)

<b>Color</b>	Colorless	<b>Solubility</b>	
<b>Transparency</b>	Clear	<b>Water</b>	Miscible
<b>Odor</b>	Odorless	<b>Organic</b>	Not determined
<b>pH</b>	7.2-7.6	<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Freezing Point</b>	Not determined	<b>Auto-ignition Temp.</b>	Not applicable
<b>Boiling Point</b>	Not determined	<b>Decomposition Temperature</b>	Not determined
<b>Flash Point</b>	Not applicable	<b>Percent Volatiles</b>	Not applicable
<b>Evaporation Rate</b>	Not determined	<b>Vapor Pressure</b>	Not determined
<b>Flammability (Solid, Gas)</b>	Not applicable	<b>Viscosity</b>	Not determined
<b>Flammability Limits</b>	Not applicable	<b>Explosive Properties</b>	Not applicable
<b>Vapor Density</b>	Not determined	<b>Oxidizing Properties</b>	Not applicable
<b>Odor Threshold</b>	Not applicable		
<b>9.2 Other Information</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>	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

#### 11.1 Information on toxicological effects

##### Toxicity Data for Hazardous Ingredients

Tetradecyltrimethylammonium bromide  
CAS # 1119-97-7      Oral LD50 Rat 1000 mg/kg

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## Section 11 Toxicological Information (Continued)

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<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>	Causes mild skin irritation.
<b>Serious eye damage/eye irritation</b>	Not classified based on available data.
<b>Respiratory/skin sensitization</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>Germ cell mutagenicity</b>	Not classified based on available data.
<b>Reproductive Toxicity</b>	Not classified based on available data.
<b>Specific target organ toxicity – single exposure</b>	Not classified based on available data.
<b>Specific target organ toxicity – repeated exposure</b>	Not classified based on available data.
<b>Aspiration hazard</b>	Not classified based on available data.
<b>Other Information</b>	No further relevant information available.

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## Section 12 Ecological Information

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<b>12.1 Ecotoxicity</b>	
<b>Fresh Water Species</b>	No information available.
<b>Microtox</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 Bioaccumulation</b>	Not determined for the product.
<b>12.4 Mobility in soil</b>	Not determined for the product.

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### Section 12 Ecological Information (Continued)

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#### 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

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### Section 13 Disposal Considerations

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#### 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 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

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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 Shipping Name:** Not regulated for transportation

**14.3 Hazard Class:** 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 Transport in bulk according to Annex II of MARPOL and the IBC Code:** Not applicable

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### Section 15 Regulatory Information

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#### 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.

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## Section 15 Regulatory Information (Continued)

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### 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

No ingredients 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.**

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.*



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## 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
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**Revision Changes**  
Removed the classification of EC Directives 1999/45/EC and 67/548/EEC from Sec. 2.1. Sec 3.2 and 15.1  
Updated Section 4, 8, 11, 14.  
Updated Section 15 Regulatory Information.  
Updated Section 16.

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### Description of hazard Class and hazard statements from Section 3

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1  
Eye Dam. 1 - Eye Damage Category 1  
Skin Corr. 1C - Skin Corrosion Category 1C  
H314 - Causes severe skin burns and eye damage.  
H318 - Causes serious eye damage.  
H400 - Very toxic to aquatic life.

### Abbreviations and Acronyms

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  
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

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

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WHMIS - Workplace Hazardous Material Information System  
vPvB - Very persistent and very bioaccumulative substances  
LD50 - Lethal Dose, 50%

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