

## Kit SDS Cover Sheet

Document ID: OSR61155-75: Version 09  
Revision Date (year/month/day) 2023/12/22  
Last Revision Date (year/month/day) 2023/05/30

### Product information

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Product name	CK-MB
Part number	OSR61155

#### Additional product information

Restricted to professional users.

### Components

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Description	CK-MB R1-1 CK-MB R1-2 CK-MB R2
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### 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.



## SAFETY DATA SHEET

Document ID: OSR61155-75 Version 09  
 Revision Date (year/month/day) 2023/12/22  
 Last Revision Date (year/month/day) 2023/05/30

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

#### 1.1 Product identifier

**Product name** CK-MB R1-1

**Part number** Component of P/N OSR61155

#### 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.  
 Restricted to professional users.

#### 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.  
 Oakley Court  
 Kingsmead Business Park, London  
 Road  
 High Wycombe  
 United Kingdom HP11 1JU  
 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)

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

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

**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: Techsupportuk@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 1 Identification of the substance/mixture and of the company/undertaking (Continued)

## Section 2 Hazards identification

### 2.1 Classification of the substance or mixture

**Product description** In vitro diagnostic reagent.  
Colorless; Liquid; Characteristic odor

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

Toxic to Reproductive Category 1B, H360

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

Skin Irritation Category 3  
Toxic to Reproductive Category 1

### 2.2 Label elements

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

#### Hazardous ingredients

Imidazole

#### Pictogram



#### Signal word

DANGER

#### Hazard statements

H316 Causes mild skin irritation.

H360 May damage fertility or the unborn child.

#### Precautionary statements

##### Prevention

P201 Obtain special instructions before use.

P280 Wear protective gloves, protective clothing and eye/face protection.

##### Response

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

##### Storage

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.

This product contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

This product contains material(s) of animal origin. Observe general safety guidelines for protection when handling this product.

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
Imidazole  CAS # 288-32-4 EINECS # 206-019-2 Index # 613-319-00-0	0.1 - < 1	Acute Tox. Oral 4, H302 Repr. 1B, H360 Skin Corr. 1C, H314  Acute Toxicity Estimates (ATE) ATE Oral = 500 mg/kg	Acute Tox. Oral 4, H302 Repr. 1B, H360 Skin Corr. 1C, H314	REST
Sodium Azide  CAS # 26628-22-8 EINECS # 247-852-1 Index # 011-004-00-7	< 0.1	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 EUH032  Acute Toxicity Estimates (ATE) ATE Oral = 27 mg/kg	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410	2, 8

2 - Substance with Community workplace exposure limits

8 - Present at concentration below the cut-off limits.

REST - Subject to Restriction as per Annex XVII of REACH Regulation (EC) No 1907/2006

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.

## Section 4 First aid measures (Continued)

<b>Skin contact</b>	In case of skin contact, rinse with plenty of water. Remove contaminated clothing and shoes. If pain or irritation occurs, obtain medical advice/attention.
<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

May damage fertility or the unborn child.  
May cause 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 Firefighting measures

<b>5.1 Extinguishing media</b>	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.
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Special fire and explosion hazards</b>	No special hazards determined.
<b>Hazardous combustion products</b>	No combustion products posing significant hazards are expected from this product (an aqueous solution).
<b>5.3 Advice for firefighters</b>	
<b>Protective equipment</b>	Self-contained breathing apparatus is recommended for firefighters in all chemical fire situations.
<b>Additional information</b>	No further relevant information available.

## Section 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	This product contains a material of animal origin. Observe general safety guidelines for protection during clean up procedures. Wear protective gloves, protective clothing and eye/face protection.
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### 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

## Section 6 Accidental release measures (Continued)

### 6.3 Methods and material for containment and cleaning up

#### Spill and leak procedures

As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

### 6.4 Reference to other sections

Refer sections 8 and 13.

## Section 7 Handling and storage

**7.1 Precautions for safe handling** This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.

### 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

Sodium Azide  
CAS # 26628-22-8

0.29 mg/m<sup>3</sup> Ceiling (as Sodium azide); 0.11 ppm Ceiling (as Hydrazoic acid vapor)

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

None established

##### DFG MAK

Sodium Azide  
CAS # 26628-22-8

0.4 mg/m<sup>3</sup> Peak (inhalable fraction); 0.2 mg/m<sup>3</sup> TWA MAK (inhalable fraction)

##### Ireland

Sodium Azide  
CAS # 26628-22-8

0.1 mg/m<sup>3</sup> TWA; 0.3 mg/m<sup>3</sup> STEL; Potential for cutaneous absorption

##### IOELVs

Sodium Azide  
CAS # 26628-22-8

Possibility of significant uptake through the skin; 0.1 mg/m<sup>3</sup> TWA; 0.3 mg/m<sup>3</sup> STEL

##### NIOSH

None established

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

### China

 Sodium Azide  
 CAS # 26628-22-8
0.3 mg/m<sup>3</sup> Ceiling MAC

### Croatia

 Sodium Azide  
 CAS # 26628-22-8
Skin Notation; 0.1 mg/m<sup>3</sup> TWA [GVI]; 0.3 mg/m<sup>3</sup> STEL [KGVI]

### Japan

None established

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

 Sodium Azide  
 CAS # 26628-22-8
0.1 mg/m<sup>3</sup> TLV NGV; 0.3 mg/m<sup>3</sup> Binding STEL Bindande KGV

### Turkey

 Sodium Azide  
 CAS # 26628-22-8
0.3 mg/m<sup>3</sup> STEL; Skin notation; 0.1 mg/m<sup>3</sup> TWA

## 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>Density and/or relative density</b>	Not determined
<b>Color</b>	Colorless	<b>Solubility</b>	
<b>Odor</b>	Characteristic odor	<b>Water</b>	Miscible
<b>pH</b>	6.2	<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>	Similar to water, approximately 100°C	<b>Auto-ignition temp.</b>	Product is not selfigniting

## 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>			
	Not applicable		
	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>	Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.
<b>10.4 Conditions to avoid</b>	Avoid contact with incompatible materials. Avoid exposure to heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Metals and metallic compounds
<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

### 11.1 Information on hazard classes

#### Toxicity data for hazardous ingredients

Sodium Azide CAS # 26628-22-8	Dermal LD50 Rabbit 20 mg/kg (NLM_HSDB); Inhalation LC50 Rat 0.054 - 0.52 mg/L 4 h (dust)(ECHA_API); Oral LD50 Rat 27 mg/kg (NZ_CCID)
Imidazole CAS # 288-32-4	Oral LD50 Rat 220 mg/kg (NLM_CIP)

#### Primary routes of exposure

Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.

#### Acute toxicity

Not classified based on available data.

#### Skin corrosion/irritation

May cause mild skin irritation.

#### 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

May damage fertility or the unborn child.

#### Specific target organ toxicity (STOT) – single exposure

Not classified based on available data.

#### 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

This product contains material(s) of animal origin. Observe general safety guidelines for protection when handling this product.

## Section 12 Ecological information

### 12.1 Toxicity

#### Fresh water species

Sodium Azide  
CAS # 26628-22-8  
LC50 96 h *Oncorhynchus mykiss*: 0.8 mg/L; LC50 96 h *Lepomis macrochirus*: 0.7 mg/L; LC50 96 h *Pimephales promelas*: 5.46 mg/L [flow-through]

#### Microtox/organisms

#### Water flea

Imidazole  
CAS # 288-32-4  
EC50 48 h *Daphnia magna*: 341.5 mg/L (IUCLID)

#### Fresh water algae

Imidazole  
CAS # 288-32-4  
EC50 72 h *Desmodesmus subspicatus*: 130 mg/L (IUCLID); EC50 96 h *Desmodesmus subspicatus*: 82 mg/L (IUCLID)

### 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

This product contains environmentally hazardous substance below the cutoff level. Refer section 3 for ingredient information. Do not allow undiluted product to enter sewer/surface or ground water.

## 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.

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76). To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

Dispose of as potentially biohazardous waste and 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 # 26628-22-8	Sodium Azide	1.0% de minimis concentration
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**CERCLA (The Comprehensive Environmental Response, Compensation, and Liability Act) 40 CFR 302.4**

CAS # 26628-22-8	Sodium Azide
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**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**

No ingredients listed.

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

CAS # 1405-41-0	Gentamicin Sulfate
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**Chemical which is known to the State of California to cause male reproductive toxicity**

## Section 15 Regulatory information (Continued)

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 # 26628-22-8      Sodium Azide

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

CAS # 26628-22-8      Sodium Azide

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

CAS # 26628-22-8      Sodium Azide

### **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**

CAS # 288-32-4      Imidazole      Entry No.: 30; 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**

## Section 15 Regulatory information (Continued)

### Catalog of Hazardous Chemicals - Hazardous Chemicals

CAS # 26628-22-8      Sodium Azide

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

All ingredients are listed or exempted.

### Turkey

### Turkey-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>	Flammability: 0 Health: 3 Reactivity with water: 0 Physical contact: 3	Code 0=None 1=Slight 2=Caution 3=Severe
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**Revision changes**      Updated sections 1, 2, 3, 4, 8 and 15

### Document version and issue/revision date

Revision Date (year/month/day) 2023/12/22  
Last Revision Date (year/month/day) 2023/05/30  
Document ID: OSR61155-75  
Version: 09

### 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

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1  
Acute Tox. Oral 2 - Acute Toxicity Oral, Category 2  
Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4  
Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1  
Skin Corr. 1C - Skin Corrosion Category 1C  
Repr. 1B - Toxic to Reproductive Category 1B  
EUH032 - Contact with acids liberates very toxic gas.  
H300 - Fatal if swallowed.

## Section 16 Other information (Continued)

H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H360 - May damage fertility or the unborn child.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.

**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  
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

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## Section 16 Other information (Continued)

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vPvB - very Persistent and very Bioaccumulative substances

WHMIS - Workplace Hazardous Material Information System

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

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## SAFETY DATA SHEET

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

#### 1.1 Product identifier

**Product name** CK-MB R1-2

**Part number** Component of P/N OSR61155

#### 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.  
 Restricted to professional users.

#### 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

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 1-800-463-7828

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 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)

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

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

**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: Techsupportuk@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 1 Identification of the substance/mixture and of the company/undertaking (Continued)

## Section 2 Hazards identification

### 2.1 Classification of the substance or mixture

**Product description** In vitro diagnostic reagent.  
Colorless; Liquid; Characteristic odor

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

Toxic to Reproductive Category 1B, H360

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

Skin Irritation Category 3  
Toxic to Reproductive Category 1

### 2.2 Label elements

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

#### Hazardous ingredients

Thioglycerol  
Imidazole

#### Pictogram



#### Signal word

DANGER

#### Hazard statements

H316 Causes mild skin irritation.  
H360 May damage fertility or the unborn child.

#### Precautionary statements

##### Prevention

P201 Obtain special instructions before use.  
P280 Wear protective gloves, protective clothing and eye/face protection.

##### Response

P308+P313 IF exposed or concerned: Get medical advice/attention.  
P332+P313 If skin irritation occurs: Get medical advice/attention.

##### Storage

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.

This product contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

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
<b>Thioglycerol</b> CAS # 96-27-5 EINECS # 202-495-0 Index # Not available	1 - 5	Acute Tox. Dermal 3, H311 Acute Tox. Oral 4, H302 Eye Irrit. 2A, H319 STOT SE 3, H335 Skin Irrit. 2, H315  Acute Toxicity Estimates (ATE) ATE Dermal = 673 mg/kg ATE Oral = 500 mg/kg	Acute Tox. Dermal 3, H311 Acute Tox. Oral 4, H302 Eye Irrit. 2A, H319 STOT SE 3, H335 Skin Irrit. 2, H315	
<b>Imidazole</b> CAS # 288-32-4 EINECS # 206-019-2 Index # 613-319-00-0	0.1 - < 1	Acute Tox. Oral 4, H302 Repr. 1B, H360 Skin Corr. 1C, H314  Acute Toxicity Estimates (ATE) ATE Oral = 500 mg/kg	Acute Tox. Oral 4, H302 Repr. 1B, H360 Skin Corr. 1C, H314	REST
<b>Sodium Azide</b> CAS # 26628-22-8 EINECS # 247-852-1 Index # 011-004-00-7	< 0.1	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 EUH032  Acute Toxicity Estimates (ATE) ATE Oral = 27 mg/kg	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410	2, 8

2 - Substance with Community workplace exposure limits

8 - Present at concentration below the cut-off limits.

REST - Subject to Restriction as per Annex XVII of REACH Regulation (EC) No 1907/2006

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.

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

May damage fertility or the unborn child.

May cause 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 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

Observe general safety guidelines for protection; avoid eye and skin contact. Wear protective gloves, protective clothing and eye/face protection.

## 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.  
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

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

**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

Sodium Azide 0.29 mg/m<sup>3</sup> Ceiling (as Sodium azide); 0.11 ppm Ceiling (as Hydrazoic acid vapor)  
CAS # 26628-22-8

#### ACGIH Biological Exposure Indices (BEI)

None established

##### DFG MAK

Sodium Azide 0.4 mg/m<sup>3</sup> Peak (inhalable fraction); 0.2 mg/m<sup>3</sup> TWA MAK (inhalable fraction)  
CAS # 26628-22-8

##### Ireland

Sodium Azide 0.1 mg/m<sup>3</sup> TWA; 0.3 mg/m<sup>3</sup> STEL; Potential for cutaneous absorption  
CAS # 26628-22-8

##### IOELVs

Sodium Azide Possibility of significant uptake through the skin; 0.1 mg/m<sup>3</sup> TWA; 0.3 mg/m<sup>3</sup> STEL  
CAS # 26628-22-8

##### NIOSH

None established

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

### China

Sodium Azide  
 CAS # 26628-22-8      0.3 mg/m<sup>3</sup> Ceiling MAC

### Croatia

Sodium Azide  
 CAS # 26628-22-8      Skin Notation; 0.1 mg/m<sup>3</sup> TWA [GVI]; 0.3 mg/m<sup>3</sup> STEL [KGVI]

### Japan

None established

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

Sodium Azide  
 CAS # 26628-22-8      0.1 mg/m<sup>3</sup> TLV NGV; 0.3 mg/m<sup>3</sup> Binding STEL Bindande KGV

### Turkey

Sodium Azide  
 CAS # 26628-22-8      0.3 mg/m<sup>3</sup> STEL; Skin notation; 0.1 mg/m<sup>3</sup> TWA

## 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>Density and/or relative density</b>	Not determined
<b>Color</b>	Colorless	<b>Solubility</b>	
<b>Odor</b>	Characteristic odor	<b>Water</b>	Miscible
<b>pH</b>	6.2	<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>	Similar to water, approximately 100°C	<b>Auto-ignition temp.</b>	Product is not selfigniting

## 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>			
	Not applicable		
	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>	Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.
<b>10.4 Conditions to avoid</b>	Avoid contact with incompatible materials. Avoid exposure to heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Metals and metallic compounds
<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

### 11.1 Information on hazard classes

#### Toxicity data for hazardous ingredients

Sodium Azide CAS # 26628-22-8	Dermal LD50 Rabbit 20 mg/kg (NLM_HSDB); Inhalation LC50 Rat 0.054 - 0.52 mg/L 4 h (dust)(ECHA_API); Oral LD50 Rat 27 mg/kg (NZ_CCID)
Thioglycerol CAS # 96-27-5	Dermal LD50 Rabbit 673 mg/kg (ECHA_API)
Imidazole CAS # 288-32-4	Oral LD50 Rat 220 mg/kg (NLM_CIP)

#### Primary routes of exposure

Eye contact, ingestion, inhalation, and skin contact.

**Acute toxicity** Not classified based on available data.

**Skin corrosion/irritation** May cause mild skin irritation.

**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** May damage fertility or the unborn child.

#### Specific target organ toxicity (STOT) – single exposure

Not classified based on available data.

#### 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

Sodium Azide  
CAS # 26628-22-8

LC50 96 h *Oncorhynchus mykiss*: 0.8 mg/L; LC50 96 h *Lepomis macrochirus*: 0.7 mg/L; LC50 96 h *Pimephales promelas*: 5.46 mg/L [flow-through]

## Section 12 Ecological information (Continued)

<b>Microtox/organisms</b>	No information available.
<b>Water flea</b>	EC50 48 h Daphnia magna: 341.5 mg/L (IUCLID) Imidazole CAS # 288-32-4
<b>Fresh water algae</b>	EC50 72 h Desmodesmus subspicatus: 130 mg/L (IUCLID); EC50 96 h Desmodesmus subspicatus: 82 mg/L (IUCLID) Imidazole CAS # 288-32-4
<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>	This product contains environmentally hazardous substance below the cutoff level. Refer section 3 for ingredient information. Do not allow undiluted product to enter sewer/surface or ground water.

## 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. Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76). To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.
<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.

## 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 # 26628-22-8      Sodium Azide      1.0% de minimis concentration

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

CAS # 26628-22-8      Sodium Azide

#### **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**

No ingredients listed.

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

CAS # 1405-41-0      Gentamicin Sulfate

##### **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 # 26628-22-8      Sodium Azide

## Section 15 Regulatory information (Continued)

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

CAS # 26628-22-8      Sodium Azide

### Pennsylvania Right To Know (RTK) List

CAS # 26628-22-8      Sodium Azide

### 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.

### 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 # 288-32-4      Imidazole      Entry No.: 30; 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 # 26628-22-8      Sodium Azide

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

All ingredients are listed or exempted.

### Turkey

### Turkey-REACH - KKDIK Regulation - Annex 17 – Restrictions

## Section 15 Regulatory information (Continued)

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>	Flammability: 0 Health: 3 Reactivity with water: 0 Physical contact: 3	Code 0=None 1=Slight 2=Caution 3=Severe
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**Revision changes** Updated sections 1, 2, 3, 4, 8 and 15

### Document version and issue/revision date

Revision Date (year/month/day) 2023/12/22  
Last Revision Date (year/month/day) 2023/05/30

Document ID: OSR61155-75  
Version: 09

### 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

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1  
Acute Tox. Dermal 3 - Acute Toxicity Dermal, Category 3  
Acute Tox. Oral 2 - Acute Toxicity Oral, Category 2  
Acute Tox. Oral 4 - Acute Toxicity Oral, Category 4  
Eye Irrit. 2A - Eye Irritation Category 2A  
Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1  
Skin Corr. 1C - Skin Corrosion Category 1C  
Skin Irrit. 2 - Skin Irritation Category 2  
STOT SE 3 - Specific Target Organ Toxicity Single Exposure Category 3  
Repr. 1B - Toxic to Reproductive Category 1B  
EUH032 - Contact with acids liberates very toxic gas.  
H300 - Fatal if swallowed.  
H302 - Harmful if swallowed.  
H311 - Toxic in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H315 - Causes skin irritation.

## Section 16 Other information (Continued)

H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H360 - May damage fertility or the unborn child.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.

**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  
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

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## Section 16 Other information (Continued)

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vPvB - very Persistent and very Bioaccumulative substances

WHMIS - Workplace Hazardous Material Information System

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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.



## SAFETY DATA SHEET

Document ID: OSR61155-75 Version 09  
 Revision Date (year/month/day) 2023/12/22  
 Last Revision Date (year/month/day) 2023/05/30

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

#### 1.1 Product identifier

**Product name** CK-MB R2

**Part number** Component of P/N OSR61155

#### 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.  
 Oakley Court  
 Kingsmead Business Park, London  
 Road  
 High Wycombe  
 United Kingdom HP11 1JU  
 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)

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

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

**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: Techsupportuk@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 1 Identification of the substance/mixture and of the company/undertaking (Continued)

## Section 2 Hazards identification

### 2.1 Classification of the substance or mixture

**Product description** In vitro diagnostic reagent.  
Colorless; Liquid; Characteristic odor

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

Skin Sensitization Category 1, H317  
Aquatic Hazard Long term, Category 3, H412

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

Aquatic Hazard Acute, Category 3  
Aquatic Hazard Long term, Category 3

### 2.2 Label elements

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

##### Hazardous ingredients

reaction mass of: 5-chloro-2-methyl-4-isothiazolin -3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1)

##### Pictogram



##### Signal word

WARNING

##### Hazard statements

H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

###### Prevention

P261 Avoid breathing vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, protective clothing and eye/face protection.

###### Response

P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before use.

###### Storage

None

###### Disposal

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

Product label will display most significant precautionary statements.  
7.9% of product contains ingredients of unknown hazards to aquatic environment.

## Section 2 Hazards identification (Continued)

### 2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

This product contains concentrations of azide below the hazardous level which with repeated contact with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds. Sodium azide forms explosive compounds with heavy metals.

This product contains material(s) of animal origin. Observe general safety guidelines for protection when handling this product.

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
<b>Sodium Azide</b>  CAS # 26628-22-8 EINECS # 247-852-1 Index # 011-004-00-7	< 0.1	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 EUH032  Acute Toxicity Estimates (ATE) ATE Oral = 27 mg/kg	Acute Tox. Oral 2, H300 Aquatic Acute 1, H400 Aquatic Longterm 1, H410	2, 8
reaction mass of: 5-chloro-2-methyl-4-isothiazolin -3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1)  CAS # 55965-84-9 EINECS # Not available Index # 613-167-00-5	< 0.05	Acute Tox. Dermal 2, H310 Acute Tox. Inhal. 2, H330 Acute Tox. Oral 3, H301 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 Eye Dam. 1, H318 M-factor Acute=100 M-factor Chronic=100 Skin Corr. 1C, H314 Skin Sens. 1A, H317 EUH071  Specific Concentration Limit (SCL) Skin Irrit. 2 H315 >= 0.06% - < 0.6% Eye Dam. 1 H318 >= 0.6% Skin Corr. 1C H314 >= 0.6% Eye Irrit. 2 H319 >= 0.06% - < 0.6% Skin Sens. 1A H317 >= 0.0015%  Acute Toxicity Estimates (ATE) ATE Dermal = 87.12 mg/kg ATE Inhalation - Vapors = 0.5 mg/L ATE Oral = 53 mg/kg	Acute Tox. Dermal 2, H310 Acute Tox. Inhal. 2, H330 Acute Tox. Oral 3, H301 Aquatic Acute 1, H400 Aquatic Longterm 1, H410 Eye Dam. 1, H318 Skin Corr. 1C, H314 Skin Sens. 1A, H317	9

## Section 3 Composition and information on ingredients (Continued)

2 - Substance with Community workplace exposure limits

8 - Present at concentration below the cut-off limits.

9 - Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6] (3:1) is the active ingredient of ProClin 300.

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. If irritation or discomfort occurs, obtain medical attention immediately.

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

May cause an allergic skin reaction.

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 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

This product contains a material of animal origin. Observe general safety guidelines for protection during clean up 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.  
Dispose of contents/container in accordance with local regulations

### 6.3 Methods and material for containment and cleaning up

#### Spill and leak procedures

As a precautionary measure, treat spilled material with a 1:10 bleach/water solution. Absorb liquid and place in container suitable for disposal. Avoid generation of aerosols during clean up. Comply with applicable waste disposal regulations.

### 6.4 Reference to other sections

Refer sections 8 and 13.

## Section 7 Handling and storage

### 7.1 Precautions for safe handling

This product should be handled as though capable of transmitting infectious diseases. Universal precautions should be followed when using this product.

### 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

Sodium Azide  
CAS # 26628-22-8

0.29 mg/m<sup>3</sup> Ceiling (as Sodium azide); 0.11 ppm Ceiling (as Hydrazoic acid vapor)

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

None established

##### DFG MAK

Sodium Azide  
CAS # 26628-22-8

0.4 mg/m<sup>3</sup> Peak (inhalable fraction); 0.2 mg/m<sup>3</sup> TWA MAK (inhalable fraction)

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

### Ireland

Sodium Azide  
 CAS # 26628-22-8      0.1 mg/m3 TWA; 0.3 mg/m3 STEL; Potential for cutaneous absorption

### IOELVs

Sodium Azide  
 CAS # 26628-22-8      Possibility of significant uptake through the skin; 0.1 mg/m3 TWA; 0.3 mg/m3 STEL

### NIOSH

None established

### China

Sodium Azide  
 CAS # 26628-22-8      0.3 mg/m3 Ceiling MAC

### Croatia

Sodium Azide  
 CAS # 26628-22-8      Skin Notation; 0.1 mg/m3 TWA [GVI]; 0.3 mg/m3 STEL [KGVI]

### Japan

None established

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

Sodium Azide  
 CAS # 26628-22-8      0.1 mg/m3 TLV NGV; 0.3 mg/m3 Binding STEL Bindande KGV

### Turkey

Sodium Azide  
 CAS # 26628-22-8      0.3 mg/m3 STEL; Skin notation; 0.1 mg/m3 TWA

## 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	1.04
Color	Colorless	Solubility	
Odor	Characteristic odor	Water	Miscible

## Section 9 Physical and chemical properties (Continued)

<b>pH</b>	9.2	<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>	Similar to water, approximately 100°C	<b>Auto-ignition temp.</b>	Product is not selfigniting
<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>			
	Not applicable		
	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>	Sodium azide forms explosive compounds with heavy metals. Repeated contact of low concentrations of azide with lead and copper commonly found in plumbing drains may result in the build up of shock sensitive compounds.
<b>10.4 Conditions to avoid</b>	Avoid contact with incompatible materials. Avoid exposure to heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Metals and metallic compounds
<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

### 11.1 Information on hazard classes

#### Toxicity data for hazardous ingredients

Sodium Azide CAS # 26628-22-8	Dermal LD50 Rabbit 20 mg/kg (NLM_HSDB); Inhalation LC50 Rat 0.054 - 0.52 mg/L 4 h (dust)(ECHA_API); Oral LD50 Rat 27 mg/kg (NZ_CCID)
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC# 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC# 220-239-6](3:1) CAS # 55965-84-9	Dermal LD50 Rabbit 87.12 mg/kg (ECHA_API); Oral LD50 Rat 53 mg/kg (NLM_CIP)

#### Primary routes of exposure

Common routes of entry include inhalation, ingestion and eye/skin contact. Specific paths of concern for potentially infectious materials are skin puncture, contact with broken skin, contact with mucous membranes and inhalation of aerosolized material.

#### Acute toxicity

Not classified based on available data.

#### Skin corrosion/irritation

Not classified based on available data.

#### Serious eye damage/irritation

Not classified based on available data.

#### Respiratory or skin sensitisation

May cause sensitization by skin contact.

#### 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

Not classified based on available data.

#### 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

This product contains material(s) of animal origin. Observe general safety guidelines for protection when handling this product.

## Section 12 Ecological information

### 12.1 Toxicity

#### Fresh water species

Sodium Azide  
CAS # 26628-22-8  
LC50 96 h *Oncorhynchus mykiss*: 0.8 mg/L; LC50 96 h *Lepomis macrochirus*: 0.7 mg/L; LC50 96 h *Pimephales promelas*: 5.46 mg/L [flow-through]

#### Microtox/organisms

#### Water flea

#### Fresh water algae

No information available.

No information available.

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

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

## 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.

Sodium azide preservative may form explosive compounds in metal drain lines. See NIOSH Bulletin: Explosive Azide Hazard (8/16/76). To avoid the possible build-up of azide compounds, flush wastepipes with water after the disposal of undiluted reagent. Sodium azide disposal must be in accordance with appropriate local regulations.

Dispose of as potentially biohazardous waste and 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 # 26628-22-8      Sodium Azide      1.0% de minimis concentration

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

CAS # 26628-22-8      Sodium Azide

#### **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**

CAS # 26628-22-8      Sodium Azide

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

CAS # 26628-22-8      Sodium Azide

## Section 15 Regulatory information (Continued)

### Pennsylvania Right To Know (RTK) List

CAS # 26628-22-8      Sodium Azide

### 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.

### **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 # 26628-22-8      Sodium Azide

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

All ingredients are listed or exempted.

### Turkey

### **Turkey-REACH - KKDIK Regulation - Annex 17 – Restrictions**

No ingredients listed.

### International

## Section 15 Regulatory information (Continued)

### 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>	Flammability: 0 Health: 2 Reactivity with water: 0 Physical contact: 2	Code 0=None 1=Slight 2=Caution 3=Severe
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**Revision changes** Updated sections 1, 2, 3, 4, 8 and 15

### Document version and issue/revision date

Revision Date (year/month/day) 2023/12/22  
Last Revision Date (year/month/day) 2023/05/30  
Document ID: OSR61155-75  
Version: 09

### 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

Aquatic Acute 1 - Aquatic Hazard Acute, Category 1  
Acute Tox. Dermal 2 - Acute Toxicity Dermal, Category 2  
Acute Tox. Inhal. 2 - Acute Toxicity Inhalation, Category 2  
Acute Tox. Oral 2 - Acute Toxicity Oral, Category 2  
Acute Tox. Oral 3 - Acute Toxicity Oral, Category 3  
Eye Dam. 1 - Eye Damage Category 1  
Aquatic Longterm 1 - Aquatic Hazard Long term, Category 1  
Skin Corr. 1C - Skin Corrosion Category 1C  
Skin Sens. 1A - Skin Sensitization Category 1A  
EUH032 - Contact with acids liberates very toxic gas.  
EUH071 - Corrosive to the respiratory tract.  
H300 - Fatal if swallowed.  
H301 - Toxic if swallowed.  
H310 - Fatal in contact with skin.  
H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.  
H318 - Causes serious eye damage.  
H330 - Fatal if inhaled.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.

## Section 16 Other information (Continued)

<b>Abbreviations and acronyms</b>	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 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
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For further information, please contact your local Beckman Coulter, Inc. representative.

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