

# 04/05/2010

# **Kit Components**

Product code	Description
210-0002 210-0065	DiaSTAT Hemoglobin A1c Program Reorder Pack
Components:	
210-0003	DiaSTAT Hb A1c Pgm Analytical Cartridge
210-0004	DiaSTAT Hemoglobin A1c Program Reagent A
210-0005	DiaSTAT Hemoglobin A1c Program Reagent B
210-0006	DiaSTAT Hemoglobin A1c Pgm Hemolysis Reagent



Printing date 04/05/2010 Reviewed on 11/13/2009

#### 1 Identification of substance:

- · Product details:
- · Trade name: DiaSTAT Hb A1c Pgm Analytical Cartridge
- · Catalog or product number: 210-0003
- · Application of the substance / the preparation In-vitro laboratory reagent or component
- · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group

4000 Alfred Nobel Drive

Hercules, California 94547

1(510)724-7000

- · Information department: Technical services, customer support.
- · Emergency information:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

### 2 Composition/Information on components:

- · Chemical characterization
- · Description: Mixture of the substances listed below with non-hazardous additions.
- · Listing of dangerous and non-hazardous components:

60676-86-0	Silica, vitreous	50-100%
7732-18-5	water	5-10%

· Additional information For the wording of the listed risk phrases refer to section 15.

### 3 Hazards identification

- · Emergency overview: not applicable
- Information pertaining to particular dangers for man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

· Classification system

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

· NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

#### 4 First aid measures

- · General information No special measures required.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Generally the product does not irritate the skin.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing Induce vomiting and call for medical help.

- DU



Printing date 04/05/2010 Reviewed on 11/13/2009

Trade name: DiaSTAT Hb A1c Pgm Analytical Cartridge

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### 5 Fire fighting measures

· Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· Protective equipment: No special measures required.

#### 6 Accidental release measures

- · Person-related safety precautions: Not required
- · Measures for environmental protection: No special measures required.
- · Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· Additional information: No dangerous substances are released.

### 7 Handling and storage

- · Handling
- · Information for safe handling:

No special measures required.

No special precautions are necessary if used correctly.

- · Information about protection against explosions and fires: No special measures required.
- · Storage
- · Requirements to be met by storerooms and receptacles: According to product specification
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

#### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

#### 7647-01-0 hydrochloric acid

PEL (United States) | Short-term value: C 7 mg/m³, C 5 ppm REL (United States) | Short-term value: C 7 mg/m³, C 5 ppm TLV (United States) | Short-term value: C 2.98 mg/m³, C 2 ppm

#### 26628-22-8 sodium azide

REL (United States) Short-term value: C 0.3\*\* mg/m³, C 0.1\* ppm

\*as HN3 vapor; \*\*as NaN3; Skin

TLV (United States) Short-term value: C 0.29\*\* mg/m³, C 0.11\* ppm

\*as HN3 vapor \*\*as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.
- · Breathing equipment: Not required.
- · Protection of hands: Protective gloves.
- · Material of gloves Synthetic gloves

(Contd. on page 3)



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Trade name: DiaSTAT Hb A1c Pgm Analytical Cartridge

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· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

9 Physical and chemica	9 Physical and chemical properties:	
· General Information		
Form:	Suspension	
Color:	White	
Odor:	Odorless	
· Change in condition Melting point/Melting rai Boiling point/Boiling rar		
· Flash point:	Not applicable	
· Auto igniting:	Product is not selfigniting.	
· Danger of explosion:	Product does not present an explosion hazard.	
· Density:	Not determined	
· Solubility in / Miscibility w Water:	vith  Not miscible or difficult to mix	
· Solvent content:		
Organic solvents:	0.0 %	
Water:	9.8 %	
Solids content:	90.0 %	

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Materials to be avoided:
- · Dangerous reactions

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

· Dangerous products of decomposition: No dangerous decomposition products known

### 11 Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritant effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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Printing date 04/05/2010 Reviewed on 11/13/2009

Trade name: DiaSTAT Hb A1c Pgm Analytical Cartridge

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When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· Target organs: Not applicable.

### 12 Ecological information:

- · Additional ecological information:
- · General notes: Generally not hazardous for water.

## 13 Disposal considerations

- · Product:
- · Recommendation

Dispose of waste in accordance to applicable national, regional, or local regulations. Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

### 14 Transport information

- DOT regulations:
- · Hazard class:
- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- · Maritime transport IMDG:
- Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class: -
- · Transport/Additional information: Not dangerous according to the above specifications.

### 15 Regulations

- · SARA (Superfund Amendents and Reauthorization Act of 1986 USA)
- Section 302/304 (40CFR355.30 / 40CFR355.40):

None of the ingredients is listed.

Section 313 (40CFR372.65):

None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

60676-86-0 Silica, vitreous

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Printing date 04/05/2010 Reviewed on 11/13/2009

Trade name: DiaSTAT Hb A1c Pgm Analytical Cartridge

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7647-01-0 hydrochloric acid

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- · National regulations
- · Water hazard class: Generally not hazardous for water.

### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Environmental Health and Safety.
- · Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

· \* Data compared to the previous version altered.

DLIC



Printing date 04/05/2010 Reviewed on 03/23/2010

#### 1 Identification of substance:

- · Product details:
- · Trade name: DiaSTAT Hemoglobin A1c Program Reagent A
- · Catalog or product number: 210-0004
- · Application of the substance / the preparation In-vitro laboratory reagent or component
- · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group

4000 Alfred Nobel Drive Hercules, California 94547

1(510)724-7000

- · Information department: Technical services, customer support.
- · Emergency information:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

### 2 Composition/Information on components:

- · Chemical characterization:
- · CAS No. Description:

7732-18-5 water

- · Identification number(s):
- · EINECS Number: 231-791-2
- · Additional information: For the wording of the listed risk phrases refer to section 15.

#### 3 Hazards identification

- · Emergency overview: not applicable
- · Information pertaining to particular dangers for man and environment not applicable
- · Classification system

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

· NFPA ratings (scale 0-4)

Health = 0

Fire = 0

Reactivity = 0

#### 4 First aid measures

- · General information No special measures required.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Generally the product does not irritate the skin.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing Induce vomiting and call for medical help.

#### 5 Fire fighting measures

Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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Printing date 04/05/2010 Reviewed on 03/23/2010

Trade name: DiaSTAT Hemoglobin A1c Program Reagent A

· Protective equipment: No special measures required.

(Contd. of page 1)

#### 6 Accidental release measures

- · Person-related safety precautions: Not required
- · Measures for environmental protection: Dilute with plenty of water.
- Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· Additional information: No dangerous substances are released.

### 7 Handling and storage

- · Handling
- · Information for safe handling:

No special measures required.

No special precautions are necessary if used correctly.

- Information about protection against explosions and fires: No special measures required.
- Storage
- · Requirements to be met by storerooms and receptacles: According to product specification
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

#### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

#### 7647-01-0 hydrochloric acid

PEL (United States) Short-term value: C 7 mg/m³, C 5 ppm REL (United States) Short-term value: C 7 mg/m³, C 5 ppm TLV (United States) Short-term value: C 2.98 mg/m³, C 2 ppm

#### 26628-22-8 sodium azide

REL (United States) Short-term value: C 0.3\*\* mg/m³, C 0.1\* ppm

\*as HN3 vapor; \*\*as NaN3; Skin

TLV (United States) | Short-term value: C 0.29\*\* mg/m³, C 0.11\* ppm

\*as HN3 vapor \*\*as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.
- · Breathing equipment: Not required.
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Protective gloves.

- · Material of gloves Synthetic gloves
- Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 3)



Printing date 04/05/2010 Reviewed on 03/23/2010

Trade name: DiaSTAT Hemoglobin A1c Program Reagent A

· Eye protection: Safety glasses

(Contd. of page 2)

9 Physical and chemical properties:		
· General Information		
Form: Color: Odor:	liquid Colorless Odorless	
· Change in condition Melting point/Melting range: Boiling point/Boiling range:		
· Flash point:	Not applicable	
· Danger of explosion:	Product does not present an explosion hazard.	
· Vapor pressure at 20°C:	23 hPa	
· Density at 20°C:	1 g/cm³	
· Solubility in / Miscibility with Water:	Fully miscible	

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Materials to be avoided:
- · Dangerous reactions

· pH-value at 20°C:

Organic solvents:

· Water:

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

· Dangerous products of decomposition: No dangerous decomposition products known

6.2

0.0 %

99.0 %

## 11 Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritant effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· Target organs: Not applicable.

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Printing date 04/05/2010 Reviewed on 03/23/2010

Trade name: DiaSTAT Hemoglobin A1c Program Reagent A

(Contd. of page 3)

### 12 Ecological information:

- · Additional ecological information:
- · General notes: Generally not hazardous for water.

### 13 Disposal considerations

- · Product:
- · Recommendation

Dispose of waste in accordance to applicable national, regional, or local regulations.

Hand over to hazardous waste disposers.

Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

### 14 Transport information

- · DOT regulations:
- · Hazard class:
- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- · Maritime transport IMDG:
- · IMDG Class:
- · Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class: -
- · Transport/Additional information: Not dangerous according to the above specifications.

### 15 Regulations

- · SARA (Superfund Amendents and Reauthorization Act of 1986 USA)
- · Section 302/304 (40CFR355.30 / 40CFR355.40):

7647-01-0 hydrochloric acid

· Section 313 (40CFR372.65):

7647-01-0 hydrochloric acid

· TSCA (Toxic Substances Control Act):

Substance is listed.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

7647-01-0 hydrochloric acid

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Printing date 04/05/2010 Reviewed on 03/23/2010

Trade name: DiaSTAT Hemoglobin A1c Program Reagent A

(Contd. of page 4)

· NTP (National Toxicology Program)

Substance is not listed.

· OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

· Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to classification according to EU lists and other sources of literature known to us. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- · National regulations
- · Water hazard class: Generally not hazardous for water.

#### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Environmental Health and Safety.
- · Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

· \* Data compared to the previous version altered.

DLIC



Printing date 04/05/2010 Reviewed on 10/21/2009

#### 1 Identification of substance:

- · Product details:
- · Trade name: DiaSTAT Hemoglobin A1c Program Reagent B
- · Catalog or product number: 210-0005
- · Application of the substance / the preparation In-vitro laboratory reagent or component
- · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group

4000 Alfred Nobel Drive

Hercules, California 94547

1(510)724-7000

- Information department: Technical services, customer support.
- · Emergency information:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

### 2 Composition/Information on components:

- · Chemical characterization:
- · CAS No. Description:

7732-18-5 water

- · Identification number(s):
- · EINECS Number: 231-791-2
- · Additional information: For the wording of the listed risk phrases refer to section 15.
- · Chemical characterization
- Listing of dangerous and non-hazardous components:

7647-14-5 sodium chloride

Xi; R 36/38 1.0-2.5%

### 3 Hazards identification

- · Emergency overview: not applicable
- · Information pertaining to particular dangers for man and environment not applicable
- · Classification system

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

#### 4 First aid measures

- · General information No special measures required.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Generally the product does not irritate the skin.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing Induce vomiting and call for medical help.

### 5 Fire fighting measures

Suitable extinguishing agents
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

(Contd. on page 2)



Printing date 04/05/2010 Reviewed on 10/21/2009

Trade name: DiaSTAT Hemoglobin A1c Program Reagent B

· Protective equipment: No special measures required.

(Contd. of page 1)

#### 6 Accidental release measures

- · Person-related safety precautions: Not required
- · Measures for environmental protection: Dilute with plenty of water.
- Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· Additional information: No dangerous substances are released.

#### 7 Handling and storage

- · Handling
- · Information for safe handling:

No special measures required.

No special precautions are necessary if used correctly.

- Information about protection against explosions and fires: No special measures required.
- Storage
- · Requirements to be met by storerooms and receptacles: According to product specification
- Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

#### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

### 7647-01-0 hydrochloric acid

PEL (United States) | Short-term value: C 7 mg/m³, C 5 ppm REL (United States) | Short-term value: C 7 mg/m³, C 5 ppm TLV (United States) | Short-term value: C 2.98 mg/m³, C 2 ppm

#### 26628-22-8 sodium azide

REL (United States) Short-term value: C 0.3\*\* mg/m³, C 0.1\* ppm

\*as HN3 vapor; \*\*as NaN3; Skin

TLV (United States) | Short-term value: C 0.29\*\* mg/m³, C 0.11\* ppm

\*as HN3 vapor \*\*as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.
- · Breathing equipment: Not required.
- · Protection of hands: Protective gloves.
- · Material of gloves Synthetic gloves
- · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

— DU



Printing date 04/05/2010 Reviewed on 10/21/2009

Trade name: DiaSTAT Hemoglobin A1c Program Reagent B

(Contd. of page 2)

9 Physical and chemical p	roperties:	
· General Information	· General Information	
Form:	liquid	
Color: Odor:	Colorless Odorless	
· Change in condition Melting point/Melting range: Boiling point/Boiling range:		
· Flash point:	Not applicable	
· Danger of explosion:	Product does not present an explosion hazard.	
· Vapor pressure at 20°C:	23 hPa	
· Density at 20°C:	1 g/cm³	
· Solubility in / Miscibility with Water:	Fully miscible	
· pH-value at 20°C: · Organic solvents: · Water:	6.2 0.0 % 97.9 %	

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Materials to be avoided:
- · Dangerous reactions

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

· Dangerous products of decomposition: No dangerous decomposition products known

### 11 Toxicological information

- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: No irritant effect.
- · on the eye: No irritant effect.
- · Sensitization: No sensitizing effects known.
- Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· Target organs: Not applicable.

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Printing date 04/05/2010 Reviewed on 10/21/2009

Trade name: DiaSTAT Hemoglobin A1c Program Reagent B

(Contd. of page 3)

### 12 Ecological information:

- · Additional ecological information:
- · General notes: Generally not hazardous for water.

### 13 Disposal considerations

- · Product:
- · Recommendation

Hand over to hazardous waste disposers.

Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

#### 14 Transport information

- · DOT regulations:
- · Hazard class:
- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- · Maritime transport IMDG:
- · IMDG Class:
- · Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class: -
- · Transport/Additional information: Not dangerous according to the above specifications.

#### 15 Regulations

- · SARA (Superfund Amendents and Reauthorization Act of 1986 USA)
- Section 302/304 (40CFR355.30 / 40CFR355.40):

7647-01-0 hydrochloric acid

Section 313 (40CFR372.65):

7647-01-0 hydrochloric acid

· TSCA (Toxic Substances Control Act):

Substance is listed.

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

7647-01-0 hydrochloric acid

3

· NTP (National Toxicology Program)

Substance is not listed.

(Contd. on page 5)



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Trade name: DiaSTAT Hemoglobin A1c Program Reagent B

(Contd. of page 4)

OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

· Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to classification according to EU lists and other sources of literature known to us. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- · National regulations
- · Water hazard class: Generally not hazardous for water.

#### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Environmental Health and Safety.
- Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

· \* Data compared to the previous version altered.

DLIC



Printing date 04/05/2010 Reviewed on 10/21/2009

#### 1 Identification of substance:

- · Product details:
- · Trade name: DiaSTAT Hemoglobin A1c Pgm Hemolysis Reagent
- · Catalog or product number: 210-0006
- · Application of the substance / the preparation In-vitro laboratory reagent or component
- · Manufacturer/Supplier:

Bio-Rad Laboratories, Diagnostic Group

4000 Alfred Nobel Drive Hercules, California 94547

1(510)724-7000

- · Information department: Technical services, customer support.
- Emergency information:

1(800) 424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION, or ACCIDENT.

### 2 Composition/Information on components:

- · Chemical characterization:
- · CAS No. Description:

7732-18-5 water

- · Identification number(s):
- · EINECS Number: 231-791-2
- · Additional information: For the wording of the listed risk phrases refer to section 15.

#### 3 Hazards identification

- · Emergency overview: not applicable
- · Information pertaining to particular dangers for man and environment not applicable
- · Classification system

The classification was made according to OSHA 29CFR 1910.1200 and 1910.1030, and is expanded upon from company and/or literature information.

#### 4 First aid measures

- · General information No special measures required.
- · After inhalation Supply fresh air; consult doctor in case of complaints.
- · After skin contact Generally the product does not irritate the skin.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing Induce vomiting and call for medical help.

#### 5 Fire fighting measures

- · Suitable extinguishing agents
- CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · Protective equipment: No special measures required.

#### 6 Accidental release measures

· Person-related safety precautions: Not required

(Contd. on page 2)



Printing date 04/05/2010 Reviewed on 10/21/2009

Trade name: DiaSTAT Hemoglobin A1c Pgm Hemolysis Reagent

(Contd. of page 1)

- · Measures for environmental protection: Dilute with plenty of water.
- Measures for cleaning/collecting:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- · Additional information: No dangerous substances are released.

#### 7 Handling and storage

- · Handling
- · Information for safe handling:

No special measures required.

No special precautions are necessary if used correctly.

- Information about protection against explosions and fires: No special measures required.
- Storage
- · Requirements to be met by storerooms and receptacles: According to product specification
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.

### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace:

#### 7647-01-0 hydrochloric acid

PEL (United States)	Short-term value: C 7 mg/m³, C 5 ppm
REL (United States)	Short-term value: C 7 mg/m³, C 5 ppm
TLV (United States)	Short-term value: C 2.98 mg/m³, C 2 ppm

#### 26628-22-8 sodium azide

REL (United States) Short-term value: C 0.3\*\* mg/m³, C 0.1\* ppm

\*as HN3 vapor; \*\*as NaN3; Skin

TLV (United States) | Short-term value: C 0.29\*\* mg/m³, C 0.11\* ppm

\*as HN3 vapor \*\*as NaN3

- · Additional information: The lists that were valid during the creation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed.
- · Breathing equipment: Not required.
- · Protection of hands: Protective gloves.
- · Material of gloves Synthetic gloves
- · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection: Safety glasses

#### 9 Physical and chemical properties:

· General Information

Form: liquid Color: Colorless

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	(Contd. of page
Odor:	Odorless
· Change in condition Melting point/Melting range: Boiling point/Boiling range:	
· Flash point:	Not applicable
· Danger of explosion:	Product does not present an explosion hazard.
· Vapor pressure at 20°C:	23 hPa
· Density at 20°C:	1 g/cm³
· Solubility in / Miscibility with Water:	Fully miscible
· pH-value at 20°C: · Organic solvents: · Water:	6 0.0 % 99.0 %

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Materials to be avoided:
- · Dangerous reactions

This product contains sodium azide. Sodium azide can react with copper, brass, lead, and solder in piping systems to form explosive compounds of lead azide and copper azide.

· Dangerous products of decomposition: No dangerous decomposition products known

### 11 Toxicological information

- · Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- · on the eve: No irritant effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification according to the latest version of the EU lists.

· Target organs: Not applicable.

#### 12 Ecological information:

- · Additional ecological information:
- · General notes: Generally not hazardous for water.



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### 13 Disposal considerations

- Product:
- · Recommendation

Hand over to hazardous waste disposers.

Flush pipes with water frequently if discarding solutions containing sodium azide into metal piping systems.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

### 14 Transport information

- · DOT regulations:
- · Hazard class:
- · Land transport ADR/RID (cross-border)
- · ADR/RID class:
- · Maritime transport IMDG:
- · IMDG Class:
- · Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class: -
- · Transport/Additional information: Not dangerous according to the above specifications.

#### 15 Regulations

- · SARA (Superfund Amendents and Reauthorization Act of 1986 USA)
- · Section 302/304 (40CFR355.30 / 40CFR355.40):

7647-01-0 hydrochloric acid

· Section 313 (40CFR372.65):

7647-01-0 hydrochloric acid

· TSCA (Toxic Substances Control Act):

7732-18-5 water

6976-37-0 Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane

7647-01-0 hydrochloric acid

26628-22-8 sodium azide

- · Carcinogenic categories
- · IARC (International Agency for Research on Cancer)

7647-01-0 hydrochloric acid

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· NTP (National Toxicology Program)

Substance is not listed.

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OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

· Markings according to EU guidelines:

Observe the general safety regulations when handling chemicals

The substance is not subject to classification according to EU lists and other sources of literature known to us. The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (GefStoffV).

- · National regulations
- · Water hazard class: Generally not hazardous for water.

#### 16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing MSDS: Environmental Health and Safety.
- · Contact:

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

\* \* Data compared to the previous version altered.

DUC