

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



CINtec Histology Kit (Class 1)

Version 1 . 1

Revision Date 05-24-2012

Print Date 08-14-2013

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Commercial Product Name : CINtec Histology Kit (Class 1)
Mat.-No./ Genisys-No. : 06594450001

1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended restrictions : For professional users only.
on use

1.3 Details of the supplier of the safety data sheet

Company : Ventana Medical Systems
1910 E. Innovation Park Drive
85755 Tucson AZ

E-mail address :
Telephone : 1-800-227-2155 or 520-877-2155
Telefax :
Responsible Department :
In case of emergencies: : CHEMTREC 1-800-424-9300 (U.S. or
Canada)
1-703-527-3887
(International)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

No information available.

3. Composition/information on ingredients

3.2 Mixtures

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Peroxidase Blocking Reagent

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
hydrogen peroxide	7722-84-1 231-765-0	O; R 8 R 5 C; R35 Xn; R20/22	Ox. Liq. 1; H271 Acute Tox. 4; H302 Acute Tox. 4; H332 Skin Corr. 1A; H314	>= 1 - < 5

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

Mouse anti-Human p16INK4a Antibody

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Visualization Reagent

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Negative Reagent Control

Classification (REGULATION (EC) No 1272/2008)

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Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

DAB Buffered Substrate

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

DAB Chromogen

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Epitope Retrieval Solution 10x

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

4. First aid measures

4.1 Description of first aid measures

General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

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- Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If on skin, rinse well with water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.
Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : No information available.

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.



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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Refer to protective measures listed in sections 7 and 8.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Treat recovered material as described in the section "Disposal considerations".

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : See label or package insert

Other data : No decomposition if stored and applied as directed.

7.3 Specific end uses

Specific use(s) : Laboratory chemicals



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8. Exposure controls/personal protection

Exposure Guidelines

Peroxidase Blocking Reagent

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
hydrogen peroxide	7722-84-1	TWA	1 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 ppm 1.4 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	1 ppm 1.4 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
		TWA	1 ppm 1.4 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

Mouse anti-Human p16INK4a Antibody

Contains no substances with occupational exposure limit values.

Visualization Reagent

Contains no substances with occupational exposure limit values.

Negative Reagent Control

Contains no substances with occupational exposure limit values.

DAB Buffered Substrate

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
hydrogen peroxide	7722-84-1	TWA	1 ppm	USA. ACGIH Threshold Limit Values (TLV)
		TWA	1 ppm 1.4 mg/m3	USA. NIOSH Recommended Exposure Limits
		TWA	1 ppm 1.4 mg/m3	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants



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		TWA	1 ppm 1.4 mg/m ³	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
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DAB Chromogen

Contains no substances with occupational exposure limit values.

Epitope Retrieval Solution 10x

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Hand protection :
Protective gloves

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
 This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.
 Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
 The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection : In the case of vapour formation use a respirator with an approved filter.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Peroxidase Blocking Reagent

Appearance	: liquid
Colour	: colourless
Odour	: odourless
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available

Mouse anti-Human p16INK4a Antibody

Appearance	: liquid
Colour	: colourless
Odour	: odourless
pH	: 7.2
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available

Visualization Reagent

Appearance	: liquid
Colour	: colourless
Odour	: odourless

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Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
<i>Negative Reagent Control</i> Appearance	: liquid
Colour	: colourless
Odour	: odourless
pH	: 7.2
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
<i>DAB Buffered Substrate</i> Appearance	: liquid
Colour	: colourless
Odour	: odourless
pH	: 7.5
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable

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Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
<i>DAB Chromogen</i>	
Appearance	: liquid
Colour	: violet
Odour	: odourless
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: no data available
Ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, dynamic	: no data available
<i>Epitope Retrieval Solution 10x</i>	
Appearance	: liquid
Colour	: colourless
Odour	: odourless
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Lower explosion limit	: no data available
Upper explosion limit	: no data available
Vapour pressure	: no data available
Water solubility	: completely miscible
Partition coefficient: n-	: no data available

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octanol/water

Ignition temperature : no data available

Thermal decomposition : no data available

Viscosity, dynamic : no data available

9.2 Other information

Peroxidase Blocking Reagent

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

Mouse anti-Human p16INK4a Antibody

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

Visualization Reagent

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

Negative Reagent Control

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

DAB Buffered Substrate

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

DAB Chromogen

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

Epitope Retrieval Solution 10x

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

10. Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

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Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Further information: No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

11. Toxicological information

11.1 Information on toxicological effects

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Acute oral toxicity : LD50 Oral: 2,000 mg/kg, mouse

: LD50 Oral: 820 mg/kg, rabbit

Acute inhalation toxicity : Acute toxicity estimate: 11 mg/l, vapour, Expert judgement

Acute dermal toxicity : LD50 Dermal: 4,060 mg/kg, rat

Skin corrosion/irritation : Extremely corrosive and destructive to tissue.

Serious eye damage/eye irritation : May cause irreversible eye damage.

Further information : no data available

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Acute oral toxicity : LD50 Oral: 2,000 mg/kg, mouse

: LD50 Oral: 820 mg/kg, rabbit

Acute inhalation toxicity : Acute toxicity estimate: 11 mg/l, vapour, Expert judgement

Acute dermal toxicity : LD50 Dermal: 4,060 mg/kg, rat

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Skin corrosion/irritation : Extremely corrosive and destructive to tissue.
Serious eye damage/eye irritation : May cause irreversible eye damage.
Further information : no data available

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12. Ecological information

12.1 Toxicity

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Toxicity to fish : LC50: 30 mg/l, 48 h, Leuciscus idus (Golden orfe)
: LC50: 16.4 mg/l, 96 h, Pimephales promelas (fathead minnow)
: LC50: 30 mg/l, Carassius auratus (goldfish)
Toxicity to daphnia and other aquatic invertebrates : EC50: 7.7 mg/l, 24 h, Daphnia magna (Water flea)
Toxicity to algae : LC50: 7.3 mg/l, Scenedesmus quadricauda (Green algae)
Toxicity to bacteria : no data available

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.
Chronic aquatic toxicity : This product has no known eco-toxicological effects.
Toxicity Data on Soil : Not expected to adsorb on soil.
Other organisms relevant to the environment : no data available

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Toxicity to fish : LC50: 30 mg/l, 48 h, Leuciscus idus (Golden orfe)
: LC50: 16.4 mg/l, 96 h, Pimephales promelas (fathead minnow)

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Toxicity to daphnia and other aquatic invertebrates : LC50: 30 mg/l, Carassius auratus (goldfish)
: EC50: 7.7 mg/l, 24 h, Daphnia magna (Water flea)
Toxicity to algae : LC50: 7.3 mg/l, Scenedesmus quadricauda (Green algae)
Toxicity to bacteria : no data available

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known eco-toxicological effects.

Chronic aquatic toxicity : This product has no known eco-toxicological effects.

Toxicity Data on Soil : Not expected to adsorb on soil.

Other organisms relevant to the environment : no data available

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12.2 Persistence and degradability

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Biodegradability : no data available

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Biodegradability : no data available

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12.3 Bioaccumulative potential

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Bioaccumulation : no data available

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

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Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Bioaccumulation : no data available

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12.4 Mobility in soil

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Mobility : no data available

Distribution among : no data available

environmental compartments

Environmental fate and : no data available

pathways

Physico-chemical : no data available

removability

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

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Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12.5 Results of PBT and vPvB assessment

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Assessment : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

12.6 Other adverse effects

Peroxidase Blocking Reagent

Components:

hydrogen peroxide :

Biochemical Oxygen Demand (BOD) : no data available
Dissolved organic carbon (DOC) : no data available
Chemical Oxygen Demand (COD) : no data available
Adsorbed organic bound halogens (AOX) : no data available
Additional ecological information : no data available

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Mouse anti-Human p16INK4a Antibody

No ingredients are hazardous according to OSHA criteria.

Visualization Reagent

No ingredients are hazardous according to OSHA criteria.

Negative Reagent Control

No ingredients are hazardous according to OSHA criteria.

DAB Buffered Substrate

Components:

hydrogen peroxide :

Biochemical Oxygen Demand (BOD) : no data available

Dissolved organic carbon (DOC) : no data available

Chemical Oxygen Demand (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : no data available

DAB Chromogen

No ingredients are hazardous according to OSHA criteria.

Epitope Retrieval Solution 10x

No ingredients are hazardous according to OSHA criteria.

13. Disposal considerations

13.1 Waste treatment methods

Product : Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.
Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.



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14. Transport information

14.1 UN number

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.2 Proper shipping name

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.4 Packing group

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA_C

Not dangerous goods

IATA_P

Not dangerous goods

14.5 Environmental hazards

DOT

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks : not applicable



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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Peroxidase Blocking Reagent
REGULATORY INFORMATION

OSHA Hazards : Harmful by ingestion.
Carcinogen

WHMIS Classification : E Corrosive Material
Corrosive to skin

Corrosive to eyes

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

Components : sodium azide 1000 lbs

SARA 302 Reportable Quantity

Product : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide
SARA 311/312 Hazards : Acute Health Hazard
Chronic Health Hazard

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

Components : sodium azide

SARA 304 : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components	:	hydrogen peroxide	1 - 5 %
		sodium azide	0 - 0.1 %

Pennsylvania Right To Know

Components	:	water	- 100 %
		hydrogen peroxide	1 - 5 %
		sodium azide	0 - 0.1 %

New Jersey Right To Know

Components	:	water	- 100 %
		hydrogen peroxide	1 - 5 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Mouse anti-Human p16INK4a Antibody

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

Components	:	<u>sodium azide</u>	1000 lbs
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SARA 302 Reportable Quantity

Product : Calculated RQ exceeds reasonably attainable upper limit.

Components	:	<u>sodium azide</u>	No SARA Hazards
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EPCRA - Emergency Planning and Community Right-to-Know Act



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SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:
Components : sodium azide

SARA 304 : Calculated RQ exceeds reasonably attainable upper limit.
Components : sodium azide

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components : sodium azide 0 - 0.1 %

Pennsylvania Right To Know

Components : water - 100 %
sodium azide 0 - 0.1 %

New Jersey Right To Know

Components : water - 100 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Visualization Reagent

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated



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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

No SARA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Components : water 60 - 100 %

New Jersey Right To Know

Components : water 60 - 100 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other



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reproductive harm.

Negative Reagent Control

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

Components : sodium azide 1000 lbs

SARA 302 Reportable Quantity

Product : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide
No SARA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

Components : sodium azide

SARA 304 : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.



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US State Regulations

Massachusetts Right To Know

Components : sodium azide 0 - 0.1 %

Pennsylvania Right To Know

Components : water - 100 %

New Jersey Right To Know

Components : water - 100 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

DAB Buffered Substrate

REGULATORY INFORMATION

OSHA Hazards : Carcinogen

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.

Chronic Health Hazard

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

Clean Air Act



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Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components : hydrogen peroxide 0.1 - 1 %

Pennsylvania Right To Know

Components : water 60 - 100 %

New Jersey Right To Know

Components : water 60 - 100 %
hydrogen peroxide 0.1 - 1 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

DAB Chromogen

REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

SARA 302 Reportable Quantity

Product : This material does not contain any components with a SARA 302 RQ.



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No SARA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 : This material does not contain any components with a section 304 EHS RQ.

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know

Components	:	water	60 - 100 %
		biphenyl-3,3',4,4'- tetrayltetraammonium tetrachloride	5 - 10 %

New Jersey Right To Know

Components	:	water	60 - 100 %
		biphenyl-3,3',4,4'- tetrayltetraammonium tetrachloride	5 - 10 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Epitope Retrieval Solution 10x



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REGULATORY INFORMATION

OSHA Hazards : No OSHA Hazards

WHMIS Classification : Not Rated

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

CERCLA Reportable Quantity

Components : sodium azide 1000 lbs

SARA 302 Reportable Quantity

Product : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide
No SARA Hazards

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302 : The following components are subject to reporting levels established by SARA Title III, Section 302:

Components : sodium azide

SARA 304 : Calculated RQ exceeds reasonably attainable upper limit.

Components : sodium azide

Clean Air Act

Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

US State Regulations

Massachusetts Right To Know

Components : sodium azide 0 - 0.1 %



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Pennsylvania Right To Know

Components	:	water	- 100 %
		sodium azide	0 - 0.1 %

New Jersey Right To Know

Components	:	water	- 100 %
		trometamol	1 - 5 %
		2-amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5 %

California Prop 65 Components : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this substance when it is used in the specified applications.

16. Other information

Full text of R-phrases referred to under sections 2 and 3

Full text of H-Statements referred to under sections 2 and 3.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.