

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



C4d (SP91) PAb

Version 1 . 1

Revision Date 03-06-2013

Print Date 04-17-2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Commercial Product Name : C4d (SP91) PAb
Mat.-No./ Genisys-No. : 06732364001

Ventana material number :

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 : Roche Diagnostics Limited
Charles Avenue
Burgess Hill
RH15 9RY West Sussex

E-mail address : -
Telephone : +44 1444 256000
Telefax : +44 1444 256239

Responsible Department :
In case of emergencies: : Health, Safety & +44 1444 256500 or +44
(Roche Diagnostics Ltd.) : Environment 7802 260498
- +44 1444 256561 or +44
Product Safety / Vigilance 7710 391653
-

Toxicology 24Hr help-line: : NPIS: +44 844 892 0111
Health Advice 24Hr help-line: : NHS Direct: +44 845 4647
NHS 24: +44 8454 242424

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

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

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.



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2.3 Other hazards

No information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

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

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.

If inhaled : Move to fresh air.
: Move to fresh air.
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.
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.
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.

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SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Environmental precautions : 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 : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

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

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.



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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 : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : See label, package insert or internal guidelines

Advice on common storage : No materials to be especially mentioned.

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

7.3 Specific end use(s)

Specific use(s) : Laboratory chemicals

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection : Safety glasses

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.

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Skin and body protection	: Protective suit
Respiratory protection	: No personal respiratory protective equipment normally required.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: liquid
pH	: 7.3 - 7.7
Melting point/range	: no data available
Boiling point/boiling range	: no data available
Flash point	: not applicable
Flammability (solid, gas)	: The product is not flammable.
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

9.2 Other information



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Conductivity : no data available
Oxidising potential : no data available
Surface tension : no data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Further information: Stable under recommended storage conditions., No hazards to be specially mentioned.

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

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

Acute oral toxicity : no data available
: Acute toxicity estimate: > 5,000 mg/kg, Calculation method

Acute inhalation toxicity : no data available
: Acute toxicity estimate: 31.09 mg/l, 4 h, vapour, Calculation method

Acute dermal toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Skin corrosion/irritation : This information is not available.

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Serious eye damage/eye irritation : This information is not available.

Aspiration toxicity : no data available

Further information : no data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Toxicity to bacteria : no data available

Ecotoxicology Assessment

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

Other organisms relevant to the environment : no data available

12.2 Persistence and degradability

Product:

Biodegradability : no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : no data available

12.4 Mobility in soil

Product:

Mobility : no data available

Distribution among environmental compartments : no data available

Environmental fate and pathways : no data available

Physico-chemical removability : no data available

12.5 Results of PBT and vPvB assessment

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Product:

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).

12.6 Other adverse effects

Product:

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

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Can be disposed as waste water, when in compliance with local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

DOT

Not dangerous goods

IATA

Not dangerous goods

IMDG

Not dangerous goods



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SECTION 15. 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

SARA 311/312 Hazards : 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 : 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).

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

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



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**The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I
Intermediate or Final VOC's (40 CFR 60.489):**

water 70 - 90 %

Albumins, blood serum 5 - 10 %

2-amino-2- 1 - 5 %
(hydroxymethyl)propane-
1,3-diol hydrochloride

sodium azide 0 - 0.1 %

**The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I
Intermediate or Final VOC's (40 CFR 60.489):**

sodium azide 0 - 0.1 %

**The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I
Intermediate or Final VOC's (40 CFR 60.489):**

water 70 - 90 %

Albumins, blood serum 5 - 10 %

2-amino-2- 1 - 5 %
(hydroxymethyl)propane-
1,3-diol hydrochloride

sodium chloride 1 - 5 %

Clean Water Act

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



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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	70 - 90 %
		Albumins, blood serum	5 - 10 %
		2-amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5 %
		sodium azide	0 - 0.1 %

New Jersey Right To Know

Components	:	water	70 - 90 %
		Albumins, blood serum	5 - 10 %
		2-amino-2-(hydroxymethyl)propane-1,3-diol hydrochloride	1 - 5 %
		sodium chloride	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.	
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SECTION 16. OTHER INFORMATION

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.



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