

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Commercial Product Name : SSR SOLUTION
Mat.-No./ Genisys-No. : 06890059001

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 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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1 . 0

Revision Date 10-25-2012

Print Date 06-11-2013

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.
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.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

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.

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

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

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Source
propane-1,2-diol	57-55-6	TWA	10 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)
		TWA	10 mg/m3	USA. Workplace Environmental Exposure Levels (WEEL)

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

with the producers of the 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	: 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
Colour	: colourless
Odour	: very faint
Odour Threshold	: no data available
pH	: ca. 7.0, Concentration: 100.00 g/l, 20 °C
Melting point/range	: -60 °C
Boiling point/boiling range	: 188.2 °C, 1,013 hPa
Flash point	: 101 °C, Test Method: closed cup, ISO 3679
Lower explosion limit	: 2.5 %(V)
Upper explosion limit	: 12.6 %(V)
Vapour pressure	: 0.186 hPa, 20 °C
Density	: 1.04 g/cm ³ , 20 °C, DIN 51757
Water solubility	: completely miscible
Partition coefficient: n-	: log Pow: -0.92

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

octanol/water

Ignition temperature : 420 °C

Thermal decomposition : Hazardous decomposition products formed under fire conditions.

Viscosity, dynamic : no data available

9.2 Other information

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 : Reacts with the following substances:

Oxidizing agents

Acetic anhydride

Acid chlorides

Reducing agents

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

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.
Exposure to moisture.

10.5 Incompatible materials

Materials to avoid : Oxidizing agents
Acetic anhydride
Acid chlorides
Reducing agents
Metals
Powdered metal salts

10.6 Hazardous decomposition products

Hazardous decomposition : In case of fire hazardous decomposition products may be

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

products

produced such as:
Carbon dioxide (CO₂)
Carbon monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Product

Acute oral toxicity	: LD50: 20,000 mg/kg, rat, Information refers to the main component.
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: LD50 Dermal: 20,800 mg/kg, rabbit, Information refers to the main component.
Acute toxicity (other routes of administration)	: no data available
Skin corrosion/irritation	: This information is not available.
Serious eye damage/eye irritation	: This information is not available.
Respiratory or skin sensitization	: Result: no data available
STOT - single exposure	: Remarks: no data available
STOT - repeated exposure	: Remarks: no data available
Aspiration toxicity	: no data available
Further information	: no data available

Components:

propane-1,2-diol:

Acute oral toxicity	: LD50: 20,000 mg/kg, rat : LD50: 20,300 mg/kg, mouse
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: LD50: 20,800 mg/kg, rabbit

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

Acute toxicity (other routes of administration)	: no data available
Skin corrosion/irritation	: This information is not available.
Serious eye damage/eye irritation	: This information is not available.
Respiratory or skin sensitization	: Result: no data available
STOT - single exposure	: Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.
STOT - repeated exposure	: Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Aspiration toxicity	: no data available
Further information	: no data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Product:

Toxicity to fish	: LC0: > 1,000 mg/l, 24 h, Oncorhynchus mykiss (rainbow trout), Information refers to the main component. : NOEC: 52,930 mg/l, 96 h, Pimephales promelas (fathead minnow), Information refers to the main component.
Toxicity to daphnia and other aquatic invertebrates	: EC50: 34,400 mg/l, 48 h, Daphnia magna (Water flea), Information refers to the main component.
Toxicity to algae	: EC50: 92,000 mg/l, Chlorella pyrenoidosa, Information refers to the main component.
Toxicity to bacteria	: EC50: 26,800 mg/l, 0.5 h, Photobacterium phosphoreum, Information refers to the main component.

Ecotoxicology Assessment

Acute aquatic toxicity	: no data available
Toxicity Data on Soil	: Not expected to adsorb on soil.
Other organisms relevant to the environment	: no data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

Components:

propane-1,2-diol:

Toxicity to fish : LC0: > 1,000 mg/l, 24 h, Oncorhynchus mykiss (rainbow trout)
: NOEC: 52,930 mg/l, 96 h, Pimephales promelas (fathead minnow)

Toxicity to daphnia and other aquatic invertebrates : EC50: 34,400 mg/l, 48 h, Daphnia magna (Water flea)

Toxicity to algae : EC50: 92,000 mg/l, Chlorella pyrenoidosa

Toxicity to bacteria : EC50: 26,800 mg/l, 0.5 h, Photobacterium phosphoreum

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 : Zahn-Wellens Test, 98 %, Result: Readily biodegradable.,
Exposure time: 5 d, OECD Test Guideline 302

Components:

propane-1,2-diol:

Biodegradability : Zahn-Wellens Test, 98 %, Result: Readily biodegradable.,
Exposure time: 5 d, OECD Test Guideline 302

12.3 Bioaccumulative potential

Product:

Bioaccumulation : no data available

Components:

propane-1,2-diol:

Bioaccumulation : no data available

12.4 Mobility in soil

Product:

Mobility : no data available
Distribution among environmental compartments : no data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

Environmental fate and pathways : no data available
Physico-chemical removability : no data available

Components:

propane-1,2-diol:

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

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).

Components:

propane-1,2-diol:

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

Additional ecological information : no data available

Components:

propane-1,2-diol:

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

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

SECTION 15. REGULATORY INFORMATION

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

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.

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 : 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).

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

propane-1,2-diol 100 %

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



SSR SOLUTION

Version 1.0

Revision Date 10-25-2012

Print Date 06-11-2013

US State Regulations

Massachusetts Right To Know

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

Pennsylvania Right To Know

Components : propane-1,2-diol 90 - 100 %

New Jersey Right To Know

Components : propane-1,2-diol 90 - 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.

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.



SSR SOLUTION

Version 1 . 0

Revision Date 10-25-2012

Print Date 06-11-2013