

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

1. Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**

Commercial Product Name : cobas c SVT OXIDANT/200

Mat.-No./ Genisys-No. : 07052987190

:

1.2 Relevant identified uses of the substance or mixture and uses advised againstRecommended restrictions : For professional users only.
on use**1.3 Details of the supplier of the safety data sheet**

Company : Roche Diagnostics

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9115 Hague Road
46250 Indianapolis IN

E-mail address :

Telephone : 1-800-428-5074

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)**

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

2.2 Label elements**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Warning



cobas c SVT OXIDANT/200

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

Hazard statements	:	H315 H319	Causes skin irritation. Causes serious eye irritation.
Precautionary statements	:	Prevention: P264 P280 Response: P302 + P352 P305 + P351 + P338 P332 + P313 P337 + P313 P362	Wash skin thoroughly after handling. Wear protective gloves/ eye protection/ face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse.

2.3 Other hazards

3. Composition/information on ingredients

3.2 Mixtures

Oxidant R1**Classification (REGULATION (EC) No 1272/2008)**

Skin irritation, Category 2

H315: Causes skin irritation.

Eye irritation, Category 2

H319: Causes serious eye irritation.

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

Irritant

R36/38: Irritating to eyes and skin.

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
sodium hydroxide, 1310-73-2	1310-73-2 215-185-5	C; R35	Met. Corr. 1; H290 Skin Corr. 1A;	>= 0.5 - < 1

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

			H314	
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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.

Oxidant R2**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.

Remarks : No hazardous ingredients

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.
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 skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- 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 : Clean mouth with water and drink afterwards plenty of water.
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.

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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.**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 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.

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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

Further information on storage conditions : See label, package insert or internal guidelines
Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Laboratory chemicals

8. Exposure controls/personal protection**Exposure Guidelines**

Oxidant R1

Contains no substances with occupational exposure limit values.

Oxidant R2

Contains no substances with occupational exposure limit values.

Personal protective equipment

Eye protection : Eye wash bottle with pure water

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

		Tightly fitting safety goggles Wear face-shield and protective suit for abnormal processing problems.
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.
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***Oxidant R1*

Appearance	:	liquid
Colour	:	clear
Melting point/range	:	no data available
Boiling point/boiling range	:	100 °C
Flash point	:	does not flash
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Vapour pressure	:	no data available

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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

Oxidant R2

Appearance : liquid

Colour : clear

Melting point/range : no data available

Boiling point/boiling range : 100 °C

Flash point : does not flash

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***Oxidant R1***

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

Oxidant R2

Conductivity : no data available

Oxidising potential : no data available

Surface tension : no data available

10. Stability and reactivity**10.1 Reactivity**

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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: 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**

Oxidant R1

No hazardous ingredients

Oxidant R2

No hazardous ingredients

12. Ecological information**12.1 Toxicity**

Oxidant R1

No hazardous ingredients

Oxidant R2

No hazardous ingredients
no data available

12.2 Persistence and degradability

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

Oxidant R1

No hazardous ingredients

*Oxidant R2*No hazardous ingredients
no data available**12.3 Bioaccumulative potential***Oxidant R1*

No hazardous ingredients

*Oxidant R2*No hazardous ingredients
no data available**12.4 Mobility in soil***Oxidant R1*

No hazardous ingredients

Oxidant R2

No hazardous ingredients

no data available

12.5 Results of PBT and vPvB assessment*Oxidant R1*

No hazardous ingredients

*Oxidant R2*No hazardous ingredients
no data available**12.6 Other adverse effects***Oxidant R1*

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

No hazardous ingredients

Oxidant R2

No hazardous ingredients

no data available

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.

14. Transport information**14.1 UN number****14.2 Proper shipping name****14.3 Transport hazard class****14.4 Packing group****14.5 Environmental hazards****14.6 Special precautions for user**

Not dangerous goods in the meaning of ADR/RID, ADN, 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

15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Oxidant R1

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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 hydroxide 1000 lbs**SARA 302 Reportable Quantity****Product** : This material does not contain any components with a SARA 302 RQ.**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 I Intermediate or Final VOC's (40 CFR 60.489):sodium acetate 9.9999 %**Clean Water Act**

The following Hazardous Substances are listed under the U.S. CleanWater Act, Section 311, Table 116.4A:

sodium hydroxide

The following Hazardous Chemicals are listed under the U.S. CleanWater Act, Section 311, Table 117.3:

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

sodium hydroxide

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

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.

Oxidant R2

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 : orthophosphoric acid 5000 lbs

SARA 302 Reportable Quantity

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

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).

**cobas c SVT OXIDANT/200**

Version 1.0

Revision Date 10-08-2013

Print Date 10-09-2013

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.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations**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**

R35	Causes severe burns.
R36/38	Irritating to eyes and skin.

Full text of H-Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion
Skin Irrit.	Skin irritation

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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