

## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

#### **SECTION 1. IDENTIFICATION**

Product name : Estradiol II CalSet II

Mat.-No./ Genisys-No. : 03064921122

Chemical nature : Handle as potentially infectious.

Manufacturer or supplier's details

Company name of supplier : Roche Diagnostics

-

Address : 9115 Hague Road

46250 Indianapolis IN

Telephone : 1-800-428-5074

Emergency telephone number:

In case of emergencies: : CHEMTREC 1-800-424-9300 (U.S. or Can-

ada)

1-703-527-3887 (International)

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

## **SECTION 2. HAZARDS IDENTIFICATION**

## **GHS Classification**

The product is a kit consisting of individual ingredients. The classification of the ingredients can be obtained from section 3. Section Label elements contains the resulting labelling for the kit.

#### **GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing diffi-

culties if inhaled.

Precautionary statements : **Prevention:** 

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves. P284 Wear respiratory protection.

Response:

P304 + P340 IF INHALED: Remove victim to fresh air and keep

at rest in a position comfortable for breathing.

P342 + P311 If experiencing respiratory symptoms: Call a

POISON CENTER or doctor/ physician.



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

P362 + P364 Take off contaminated clothing and wash it before

reuse.

### Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

## Cal 1

### **GHS Classification**

Respiratory sensitisation H334: May cause allergy or asthma symptoms or breathing

Category 1 difficulties if inhaled.

Skin sensitisation

Category 1

H317: May cause an allergic skin reaction.

H317: May cause an allergic skin reaction.

Chemical nature : Handle as potentially infectious.

### **Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
2-methyl-2H-isothiazol-3-one hydrochloride	26172-54-3	>= 0.1 - < 1

#### Cal 2

#### **GHS Classification**

Respiratory sensitisation

Category 1

H334: May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Skin sensitisation

Category 1

Chemical nature : Handle as potentially infectious.

### **Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
2-methyl-2H-isothiazol-3-one hydrochloride	26172-54-3	>= 0.1 - < 1

#### **SECTION 4. 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 : Call a physician or poison control centre immediately.

Move to fresh air.

If unconscious place in recovery position and seek medical

advice.

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.



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

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.

Most important symptoms and effects, both acute and

delayed

: None known.

Notes to physician : The first aid procedure should be established in consultation

with the doctor responsible for industrial medicine.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during fire-

fighting

: No information available.

Further information : Standard procedure for chemical fires.

Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

Special protective equipment

for firefighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protec-

tive equipment and emergency procedures

: Use personal protective equipment.

Avoid dust formation. Avoid breathing dust.

Ensure adequate ventilation.

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.

Methods and materials for containment and cleaning up

: Keep in suitable, closed containers for disposal.

## **SECTION 7. HANDLING AND STORAGE**

Advice on protection against : Avoid dust formation. Provide appropriate exhaust ventilation



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

fire and explosion at places where dust is formed.

Advice on safe handling : Avoid formation of respirable particles.

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 ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Electrical installations / working materials must comply with

the technological safety standards.

#### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Cal 1

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## Hazardous components without workplace control parameters

Components	CAS-No.
2-methyl-2H-isothiazol-3-one	26172-54-3
hydrochloride	

#### Cal 2

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## Hazardous components without workplace control parameters

Components	CAS-No.
2-methyl-2H-isothiazol-3-one	26172-54-3
hydrochloride	

#### Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an

approved filter. Effective dust mask

Hand protection

Material : Protective gloves

Remarks : The selected protective gloves have to satisfy the specifica-



## **Estradiol II CalSet II**

Version **Revision Date:** Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

> tions 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 dis-

cussed with the producers of the protective gloves.

Eye protection Eye wash bottle with pure water

Tightly fitting safety goggles

: Choose body protection according to the amount and con-Skin and body protection

centration of the dangerous substance at the work place.

: Wash hands before breaks and at the end of workday. Hygiene measures

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Cal 1

**Appearance** : (lyophilised)

Colour : white

light yellow

Odour : none

Odour Threshold : No data available

Hq : 6.9 - 7.1, (25 °C)(as aqueous solution)

Melting point/freezing point Initial boiling point and boiling

range

: No data available : No data available

Flash point : does not flash

Evaporation rate : No data available Flammability (solid, gas) Sustains combustion

Upper explosion limit : No data available Lower explosion limit No data available Vapour pressure No data available Relative vapour density No data available Relative density No data available Density No data available

Solubility(ies)

Water solubility : completely soluble

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature

: No data available

Decomposition temperature Viscosity

: No data available No data available



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Cal 2

Appearance : (lyophilised)

Colour : white

light yellow

Odour : none

Odour Threshold : No data available

pH : 6.9 - 7.1, (25 °C)(as aqueous solution)

Melting point/freezing point : No data available Initial boiling point and boiling : No data available

range

Flash point : does not flash

Evaporation rate : No data available Flammability (solid, gas) : Sustains combustion

Upper explosion limit : No data available Lower explosion limit : No data available Vapour pressure : No data available Relative vapour density : No data available Relative density : No data available Density : No data available : No data available

Solubility(ies)

Water solubility : completely miscible

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available
Viscosity : No data available
: No data available

Viscosity : No data available Explosive properties : No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reac-

tions

: No dangerous reaction known under conditions of normal use.

No decomposition if stored and applied as directed.

Conditions to avoid : Exposure to moisture

Incompatible materials : Strong oxidizing agents

Hazardous decomposition : No decomposition if stored and applied as directed.



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

products

### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### Cal 1

### **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### **Product:**

Remarks: May cause skin irritation and/or dermatitis.

#### Components:

### 2-methyl-2H-isothiazol-3-one hydrochloride:

Result: Causes burns.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### **Product:**

Remarks: Product dust may be irritating to eyes, skin and respiratory system.

## Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if in-

haled.

#### **Product:**

Remarks: Causes sensitisation.

## **Components:**

#### 2-methyl-2H-isothiazol-3-one hydrochloride:

Assessment: May cause sensitisation by skin contact.

Assessment: May cause sensitisation by inhalation.

#### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcino-

gen by OSHA.

NTP No component of this product present at levels greater than or



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

## Cal 2

### **Acute toxicity**

Not classified based on available information.

#### Skin corrosion/irritation

Not classified based on available information.

#### **Product:**

Remarks: May cause skin irritation and/or dermatitis.

## **Components:**

## 2-methyl-2H-isothiazol-3-one hydrochloride:

Result: Causes burns.

### Serious eye damage/eye irritation

Not classified based on available information.

## **Product:**

Remarks: Product dust may be irritating to eyes, skin and respiratory system.

### Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: May cause allergy or asthma symptoms or breathing difficulties if in-

haled.

## **Product:**

Remarks: Causes sensitisation.

## **Components:**

## 2-methyl-2H-isothiazol-3-one hydrochloride:

Assessment: May cause sensitisation by skin contact.

Assessment: May cause sensitisation by inhalation.

## Germ cell mutagenicity

Not classified based on available information.



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

### Carcinogenicity

Not classified based on available information.

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential carcino-

gen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

#### Reproductive toxicity

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

## **Aspiration toxicity**

Not classified based on available information.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### Cal 1

## **Ecotoxicity**

## Components:

#### 2-methyl-2H-isothiazol-3-one hydrochloride:

**Ecotoxicology Assessment** 

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

#### Persistence and degradability

No data available

### **Bioaccumulative potential**

No data available

#### Mobility in soil

No data available

#### Other adverse effects

### **Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Pro-

tection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S.



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

### Cal 2

## **Ecotoxicity**

### **Components:**

#### 2-methyl-2H-isothiazol-3-one hydrochloride:

**Ecotoxicology Assessment** 

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

#### Persistence and degradability

No data available

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

#### Other adverse effects

### **Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Pro-

tection of Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks: 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).

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

## **Disposal methods**

Waste from residues : Special treatment as infectious material is mandatory in com-

pliance with local regulations (disinfection and incineration). Do not contaminate ponds, waterways or ditches with chemi-

cal 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 han-

dling site for recycling or disposal. Do not re-use empty containers.

#### **SECTION 14. TRANSPORT INFORMATION**

#### International Regulation



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

#### IATA-DGR

Not regulated as a dangerous good

#### **IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### **National Regulations**

#### **49 CFR**

Not regulated as a dangerous good

#### **SECTION 15. REGULATORY INFORMATION**

#### Cal 1

TSCA list : Not relevant

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

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting re-

quirements of SARA Title III, Section 302.

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.

#### Clean Air Act

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 hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

#### **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

## Massachusetts Right To Know



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

No components are subject to the Massachusetts Right to

Know Act.

Pennsylvania Right To Know

Human serum /-plasma / -hemolysate, ly- Not Assigned 90 - 100 %

ophilized

**New Jersey Right To Know** 

Human serum /-plasma / -hemolysate, ly- Not Assigned 90 - 100 %

ophilized

California Prop 65 This product does not contain any chemicals known to State

of California to cause cancer, birth defects, or any other re-

productive harm.

The components of this product are reported in the following inventories:

REACH : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

CH INV : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

TSCA : Not On TSCA Inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

DSL : This product contains the following components that are not

on the Canadian DSL nor NDSL.

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

AICS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

NZIoC : Not in compliance with the inventory

: hydroxyl-2-pyridone

ENCS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

ISHL : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

KECI : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

PICCS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

IECSC : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

#### **Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

#### Cal 2

TSCA list : Not relevant

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

#### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

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

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting re-

quirements of SARA Title III, Section 302.

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.

#### Clean Air Act



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

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 hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

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).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489).

#### **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

## **Massachusetts Right To Know**

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

#### Pennsylvania Right To Know

Human serum /-plasma / -hemolysate, ly- Not Assigned 90 - 100 % ophilized

## **New Jersey Right To Know**

Human serum /-plasma / -hemolysate, ly- Not Assigned 90 - 100 % ophilized

## California Prop 65

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

## The components of this product are reported in the following inventories:

REACH : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

CH INV : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

TSCA : Not On TSCA Inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

DSL : This product contains the following components that are not

on the Canadian DSL nor NDSL.

: Human serum /-plasma / -hemolysate, lyophilized



## **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014
1.4 04-24-2015 Date of first issue: 09-05-2013

: hydroxyl-2-pyridone

AICS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

NZIoC : Not in compliance with the inventory

: hydroxyl-2-pyridone

ENCS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

ISHL : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

: 2-methyl-2H-isothiazol-3-one hydrochloride

KECI : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

PICCS : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

IECSC : Not in compliance with the inventory

: Human serum /-plasma / -hemolysate, lyophilized

: hydroxyl-2-pyridone

## Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

### Cal 1



## **Estradiol II CalSet II**

Version **Revision Date:** Date of last issue: 09-18-2014 Date of first issue: 09-05-2013 1.4 04-24-2015

#### **GHS Label element**

Hazard pictograms



Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

**Prevention:** Precautionary statements

> P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272 Contaminated work clothing should not be allowed out of

the workplace.

P280 Wear protective gloves.

P285 In case of inadequate ventilation wear respiratory protec-

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical ad-

vice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a

POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

## Cal 2

## **GHS Label element**

Hazard pictograms



Signal word Danger

Hazard statements H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Precautionary statements Prevention:

> P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P272 Contaminated work clothing should not be allowed out of

the workplace.

P280 Wear protective gloves.

P285 In case of inadequate ventilation wear respiratory protec-

tion.

Response:



## **Estradiol II CalSet II**

Version **Revision Date:** Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

> P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/ physician.

P363 Wash contaminated clothing before reuse.

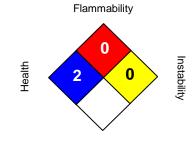
## Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

## Cal 1 NFPA:



Special hazard.

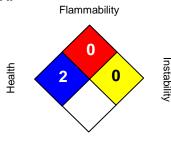
#### HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High 4 = Extreme, \* = Chronic

## Cal 2 NFPA:



Special hazard.

### HMIS III:

HEALTH	2*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,

2 = Moderate, 3 = High 4 = Extreme, \* = Chronic

**Revision Date** : 04-24-2015



# **Estradiol II CalSet II**

Version Revision Date: Date of last issue: 09-18-2014 1.4 04-24-2015 Date of first issue: 09-05-2013

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.

US / EN