

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Commercial Product Name : PreciControl MultiMarker  
Mat.-No./ Genisys-No. : 05341787190

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

Recommended restrictions on use : For professional users only.

#### 1.3 Details of the supplier of the safety data sheet

Company : Roche Diagnostics Deutschland GmbH  
-  
Sandhoferstrasse 116  
68305 Mannheim  
Telephone : +496217590  
Telefax : +496217592890  
Responsible Department : +49(0)621-759-2012+49(0)621-759-4848+49(0)8856-60-2629  
E-mail address : mannheim.umweltschutz@roche.com

#### 1.4 Emergency telephone number

Emergency telephone number:  
In case of emergencies: : Central Works Security +49(0)621-759-2203  
Roche Diagnostics GmbH  
  
Centre for detoxification: : Mainz +49(0)6131-19240  
Munich +49(0)89-19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

### Response:

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P332 + P313 If skin irritation occurs: Get medical advice/  
attention.  
P337 + P313 If eye irritation persists: Get medical advice/  
attention.  
P362 + P364 Take off contaminated clothing and wash it  
before reuse.

### 2.3 Other hazards

See SECTION 3

## SECTION 3: Composition/information on ingredients

### Level 1

#### 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)

Not a hazardous substance or mixture.

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Edetic acid disodium salt dihydrate (EDTA-2Na-2H <sub>2</sub> O)	6381-92-6	Acute Tox. 4; H332	>= 1 - < 10
tetradonium bromide	1119-97-7 214-291-9	Skin Corr. 1B; H314 Eye Dam. 1; H318	>= 1 - < 3

For explanation of abbreviations see section 16.

### Level 2

#### 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)

Not a hazardous substance or mixture.

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Edetic acid disodium salt dihydrate (EDTA-2Na-2H <sub>2</sub> O)	6381-92-6	Acute Tox. 4; H332	>= 1 - < 10
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## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
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| 214-291-9

| Eye Dam. 1; H318

For explanation of abbreviations see section 16.

### SECTION 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 : 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

None known.

#### 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.
- Unsuitable extinguishing media : High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : No information available.

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
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### 5.3 Advice for firefighters

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

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## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.

### 6.2 Environmental precautions

- Environmental precautions : Prevent further leakage or spillage if safe to do so.

### 6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

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

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

- Advice on safe handling : Avoid formation of respirable particles.  
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 : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
- Hygiene measures : When using do not eat or drink. When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 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

## PreciControl MultiMarker

Version	Revision Date:	Date of last issue: 19.10.2015
1.7	18.03.2016	Date of first issue: 08.01.2014

Storage class (TRGS 510) : 11, Combustible Solids

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

### 7.3 Specific end use(s)

Specific use(s) : Laboratory chemicals

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### **Level 1**

Contains no substances with occupational exposure limit values.

#### **Level 2**

Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

#### **Engineering measures**

No data available

#### **Personal protective equipment**

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection  
Material : Protective gloves

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

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### Level 1

Appearance	:	(lyophilised)
Colour	:	white light yellow
Odour	:	none
Odour Threshold	:	Not applicable
pH	:	6,9 - 7,1 (25 °C)(as aqueous solution)
Melting point/range	:	No data available
Boiling point/boiling range	:	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	:	Not applicable
Relative density	:	No data available
Solubility(ies)		
Water solubility	:	completely soluble
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Relative self-ignition temperature for solids	:	No data available
Decomposition temperature	:	No data available
Viscosity		
Viscosity, dynamic	:	Not applicable

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

Viscosity, kinematic : Not applicable

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

### Level 2

Appearance : (lyophilised)

Colour : white  
light yellow

Odour : none

Odour Threshold : Not applicable

pH : 6,9 - 7,1  
(25 °C)(as aqueous solution)

Melting point/range : No data available

Boiling point/boiling range : 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 : Not applicable

Relative density : No data available

Solubility(ies)  
Water solubility : completely soluble

Solubility in other solvents : No data available

Partition coefficient: n-  
octanol/water : No data available

Auto-ignition temperature : No data available

Relative self-ignition tempera-  
ture for solids : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : Not applicable

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

Viscosity, kinematic : Not applicable

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

### 9.2 Other information

#### Level 1

No data available

#### Level 2

No data available

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## 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 : No dangerous reaction known under conditions of normal use.  
No decomposition if stored and applied as directed.

### 10.4 Conditions to avoid

Conditions to avoid : Exposure to moisture

### 10.5 Incompatible materials

Materials to avoid : Strong oxidizing agents

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Level 1

##### Acute toxicity

Not classified based on available information.

##### Components:

##### Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg  
Test substance: anhydrous substance

**PreciControl MultiMarker**

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

LD50 Oral (Rabbit): 2.300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1 - 5 mg/l  
Exposure time: 6 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Test substance: anhydrous substance

Acute toxicity estimate: 1,5 mg/l  
Test atmosphere: dust/mist  
Method: Expert judgement

**tetradonium bromide:**

Acute oral toxicity : LD50 Oral (Rat): 3.900 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Components:**

**tetradonium bromide:**

Result: Causes burns.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

Genotoxicity in vitro : Test Type: Ames test  
Remarks: In vitro tests did not show mutagenic effects

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**Components:**

**tetradonium bromide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

exposure.

### STOT - repeated exposure

Not classified based on available information.

#### Components:

##### **tetradonium bromide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Aspiration toxicity

Not classified based on available information.

### Further information

#### Components:

##### **tetradonium bromide:**

Remarks: Other dangerous properties can not be excluded.

## Level 2

### Acute toxicity

Not classified based on available information.

#### Components:

##### **Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

Acute oral toxicity : LD50 Oral (Rat): > 2.000 mg/kg  
Test substance: anhydrous substance

LD50 Oral (Rabbit): 2.300 mg/kg

Acute inhalation toxicity : LC50 (Rat): 1 - 5 mg/l  
Exposure time: 6 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
Test substance: anhydrous substance

Acute toxicity estimate: 1,5 mg/l

Test atmosphere: dust/mist

Method: Expert judgement

##### **tetradonium bromide:**

Acute oral toxicity : LD50 Oral (Rat): 3.900 mg/kg

### Skin corrosion/irritation

Causes skin irritation.

#### Components:

##### **tetradonium bromide:**

Result: Causes burns.

**PreciControl MultiMarker**

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation**

**Skin sensitisation**

Not classified based on available information.

**Respiratory sensitisation**

Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:**

**Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

Genotoxicity in vitro : Test Type: Ames test  
Remarks: In vitro tests did not show mutagenic effects

**Carcinogenicity**

Not classified based on available information.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**Components:**

**tetradonium bromide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure**

Not classified based on available information.

**Components:**

**tetradonium bromide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Aspiration toxicity**

Not classified based on available information.

**Further information**

**Components:**

**tetradonium bromide:**

Remarks: Other dangerous properties can not be excluded.

**PreciControl MultiMarker**

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

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**SECTION 12: Ecological information**

**12.1 Toxicity**

***Level 1***

**Components:**

**Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

- Toxicity to fish : LC50 (Poecilia reticulata (guppy)): ca. 320 mg/l  
Exposure time: 96 h  
Test substance: anhydrous substance
- LC50 (Leuciscus idus (Golden orfe)): > 500 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 100 mg/l  
Exposure time: 24 h
- Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h
- Toxicity to bacteria : EC50 (Pseudomonas putida): 56 mg/l  
Exposure time: 8 h  
Test substance: anhydrous substance

**Ecotoxicology Assessment**

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

**tetradonium bromide:**

**Ecotoxicology Assessment**

- Toxicity Data on Soil : Not expected to adsorb on soil.
- Other organisms relevant to the environment : No data available

***Level 2***

**Components:**

**Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

- Toxicity to fish : LC50 (Poecilia reticulata (guppy)): ca. 320 mg/l  
Exposure time: 96 h  
Test substance: anhydrous substance

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
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- LC50 (Leuciscus idus (Golden orfe)): > 500 mg/l  
Exposure time: 96 h
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): > 100 mg/l  
Exposure time: 24 h
- Toxicity to algae : ErC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l  
Exposure time: 72 h
- Toxicity to bacteria : EC50 (Pseudomonas putida): 56 mg/l  
Exposure time: 8 h  
Test substance: anhydrous substance

### Ecotoxicology Assessment

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

### tetradonium bromide:

#### 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

### Level 1

#### Components:

##### Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):

- Biodegradability : Biodegradation: 3 %  
Method: Directive 67/548/EEC Annex V, C.4.C.  
Remarks: According to the results of tests of biodegradability this product is not readily biodegradable.
- Biochemical Oxygen Demand (BOD) : 10 mg/g  
Incubation time: 5 d

### Level 2

#### Components:

##### Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

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Date of first issue: 08.01.2014

Biodegradability : Biodegradation: 3 %  
Method: Directive 67/548/EEC Annex V, C.4.C.  
Remarks: According to the results of tests of biodegradability  
this product is not readily biodegradable.

Biochemical Oxygen Demand (BOD) : 10 mg/g  
Incubation time: 5 d

### 12.3 Bioaccumulative potential

#### **Level 1**

##### **Components:**

##### **Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

Partition coefficient: n-octanol/water : Remarks: No data available

##### **tetradonium bromide:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2,2

#### **Level 2**

##### **Components:**

##### **Edetic acid disodium salt dihydrate (EDTA-2Na-2H<sub>2</sub>O):**

Partition coefficient: n-octanol/water : Remarks: No data available

##### **tetradonium bromide:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : log Pow: 2,2

### 12.4 Mobility in soil

#### **Level 1**

No data available

#### **Level 2**

No data available

### 12.5 Results of PBT and vPvB assessment

## PreciControl MultiMarker

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

### **Level 1**

Not relevant

### **Level 2**

Not relevant

## 12.6 Other adverse effects

### **Level 1**

No data available

### **Level 2**

No data available

## SECTION 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.
- 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.

## SECTION 14: Transport information

### 14.1 UN number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

- Remarks : 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

**PreciControl MultiMarker**

Version  
1.7

Revision Date:  
18.03.2016

Date of last issue: 19.10.2015  
Date of first issue: 08.01.2014

**SECTION 15: Regulatory information**

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

Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances  
Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
Not applicable

Water contaminating class : WGK 2 significantly water endangering  
(Germany)

**Level 1**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

**Level 2**

**Labelling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal word : Warning

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PreciControl MultiMarker

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P332 + P313 If skin irritation occurs: Get medical advice/  
attention.  
P337 + P313 If eye irritation persists: Get medical advice/  
attention.  
P362 + P364 Take off contaminated clothing and wash it  
before reuse.

### 15.2 Chemical safety assessment

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

## SECTION 16: Other information

### Full text of H-Statements

H314 : Causes severe skin burns and eye damage.  
H318 : Causes serious eye damage.  
H332 : Harmful if inhaled.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
Eye Dam. : Serious eye damage  
Skin Corr. : Skin corrosion

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PreciControl MultiMarker

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es; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### 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.

DE / EN / 1511