



**Swiss MediTec GmbH**

SAFETY DATA SHEET (REGULATION (EC) n° 1907/2006 - REACH) Version 1.1 (06/02/2015) – Page1/5

*Safety data sheet*

(REACH regulation (EC) no. 1907/2006 - n° 453/2010)

Revision: 05.11.2015

**Product BioCide X**

**Section 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name:** Biocide X

**Article number:** 11133

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

Hospital Biocide

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

Manufacturer/Supplier: **Swiss MediTec GmbH**

Bahnhofstrasse 42, 6162 Entlebuch, Switzerland

Tel. (+)41 79 482 32 98

www.swiss-meditec.ch,

info@swiss-meditec.ch

**1.4 Emergency telephone number:** (+) 41 79 482 32 98

Organization

**Section 2: Hazards identification**

**2.1 Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008**

Acute Tox. 4 - H302 Acute Tox. 4 - H332 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens.1 - H317  
STOT SE 3 - H335

Serious eye damage (Category 3), H318

Specific target organ toxicity -single exposure(Category 3), Respiratory system, H335

For the full text of the H-Statements mentioned in this Section, see Section 16.

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

Xn;R20/22. C;R34. R43. N;R5

Xi

Irritant

R37/38, R41

For the full text of the R-phrases mentioned in this Section, see Section 16

**2.2 Label elements**

Labelling according to Regulation (EC) No 1272/2008

Pictogram



GHS05

Danger

Hazard statement(s)

H390

Causes skin irritation

H314

Causes serious eye damage.

**Hazard statements:**

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life

**Precautionary statement(s)**

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with



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water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

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

P362+P364 Take off contaminated clothing and wash it before reuse.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulations.

P260 Do not breathe dust.

P401 Store in accordance with national regulation

**Supplemental Hazard**

EUH031 Contact with acids liberates toxic gas.RCH002b For professional users only.RCH004b Persons suffering from asthma, eczema or skin problems should avoid contact,including dermal contact, with this product.BPR001 Use biocides safely. Always read the label and product information before use.

**Section 3-Composition/information on ingredients**

**3.2 MixtureChemical characterization: Substances**

Formula: Ethanol,Isopropanol, proprietary

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Classification	Concentration
Ethanol	Skin Irrit.1B,H290,H314	<80 %

**Hazardous ingredients according to Directive 1999/45/EC**

Component	Classification	Concentration
Isopropanol	C,R34	<80%

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

**Section 4:First aid measures**

**4.1 Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed no data available**

**Section 5:Firefighting measures**

**5.1 Extinguishing media**

**5.1.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.



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## 5.2 Special hazards arising from the substance or mixture

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Thermal decomposition may cause toxic fumes of phosphorus oxides and /or phosphine oxide of phosphorus

## 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

## 5.4 Further information

no data available

## Section 6:Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Avoid breathing dust.

For personal protection see section 8.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

## Section7:Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eye.

Always wash hands after handling.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place.Keep container tightly closed in a dry and well-ventilated place.

### 7.3 Specific end use(s)

Dental etchant,For dental professionals only.

## Section 8:Exposure controls/personal protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### Personal protection measures,such as a personal protective equipment.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.



Wash and dry hands

#### Protective gloves

The glove material has to be impermeable and resistant to the product.

#### Body Protection

impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

#### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level



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protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Section 9: Physical and chemical properties**

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

**General Information**

Appearance:	Form: Liquid and or Gel
Colour:	Colourless and or white
Odour:	no data available
pH-value at 20°C:	4
Boiling point/Boiling range:	around 48 °C (water based)
Flash point:	no data available
Ignition temperature:	Decomposition temperature: Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	more than 1.0 g/cm <sup>3</sup>
Solubility in / Miscibility with water:	Miscible.
Solvent content:	
Organic solvents:	70-75 %
VOC (EC)	65-70 %

**Other information:** No further relevant information available

**Section 10: Stability and reactivity**

**10.1 Reactivity**

no data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

no data available

**10.4 Conditions to avoid**

Avoid exposure to high temperatures or direct sunlight

**10.5 Incompatible materials**

Strong acids

**10.6 Hazardous decomposition products**

Other decomposition products-no data available

In the event of fire: see section 5

**Section 11: Toxicological information**

**11.1 Information on toxicological effects**

Acute toxicity:

Acute toxicity oral (LD<sub>50</sub> mg/kg) 441.0 mg/kg

Species Rat

ATE oral (mg/kg) 441.

Skin corrosion/irritation

Acute toxicity - inhalation ATE inhalation (gases ppm) 6,363.63636364 ATE inhalation (vapours mg/l) 27.27272727 ATE inhalation (dusts/mists mg/l) 4.5454545

Result: Irritating to skin

(OECD Test Guideline 404)

**12- Ecological information**

**12.1 Toxicity**

**12.1.2 Mixtures**

No data available.

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.



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#### 12.4 Mobility in soil

No data available

#### 12.5 Results of BPT and vPvB assesment

PBT/vPvB assesment not available as chemical safety assesment not required/Not conducted

#### 12.6 Other adverse effects

No data available

### Section13: Disposal considrations

#### 13.1 Waste treatment methods

Do not pour into drain or waterways.Dispose of waste in compliance with current legislation, preferably via a certified company.

### Section14: Transport information

#### 14.1 Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR Phosphoric acid - IMDG Phosphoric acid- ICAO/IATA 2013).

#### 14.2 UN proper shipping name.

ADR/RID: Phosphoric acid solution

IMDG: Phosphoric acid solution

IATA: Phosphoric acid solution

#### 14.3 Transport hazard class(es)

ADR/RID:8

IMDG:8

IATA:8

#### 14.4 Packaging group

ADR/RID:III

IMDG:III

IATA:III

#### 14.5Environmental hazards

ADR/RID:no

IMDG Marine pollution:no

IATA:no

#### 14.6 Special precautions for user

no data available

### Section15: Regulatory information

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

#### 15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

### Section16: Other information

Full text of H-Statements referred to under sections 2 and 3.

Eye Dam. Serious eye damage

H314 Causes skin irritation.

H318 Causes serious eye damage.

Skin Irrit. Skin irritation

Full text of R-phrases referred to under sections 2 and 3

Xi Irritant

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes