

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Oxycon On-Line Buffer

**Product no.**

A-85.410.120, A-85.410.140, A-85.410.310

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Reagent for water analysis

**Uses advised against**

-

The full text of any mentioned and identified use categories are given in section 16

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

**Company and address**

SWAN Analytische Instrumente AG  
Studbachstrasse 13  
CH-8340 Hinwil  
Switzerland  
Phone: +41 44 943 63 00  
Fax: +41 44 943 63 01

**Contact person**

M.Lendi

**E-mail**

info@swan.ch

**SDS date**

2019-02-05

**SDS Version**

4.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service). See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

**Hazard statement(s)**

Not applicable

**Precautionary statements**

General -

Prevention -

According to EC-Regulation 2015/830

Response -  
Storage -  
Disposal -

#### Identity of the substances primarily responsible for the major health hazards

Not applicable

#### 2.3. Other hazards

Not applicable

#### Additional labelling

Safety data sheet available on request. (EUH210)

#### Additional warnings

Not applicable

#### VOC (volatile organic compound)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1/3.2. Substances/Mixtures

|                      |  |
|----------------------|--|
| NAME:                | Potassium citrate tribasic monohydrate       |
| IDENTIFICATION NOS.: | CAS-no: 6100-05-6 REACH-no: 01-2119457580-38 |
| CONTENT:             | 95-100%                                      |
| CLP CLASSIFICATION:  | NA   |

(\*) See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

ATEmix(inhale, vapour) > 20  
ATEmix(dermal) > 2000  
ATEmix(oral) > 2000

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Bring the person into fresh air and stay with him/her.

##### Skin contact

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

##### Eye contact

Remove contact lenses and open eyes widely. Flush eyes with water or saline water(20-30°C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

##### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

##### Burns

Not applicable

#### 4.2. Most important symptoms and effects, both acute and delayed

Nothing special

#### 4.3. Indication of any immediate medical attention and special treatment needed

According to EC-Regulation 2015/830

Nothing special

**Information to medics**

Bring this safety data sheet.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Waterjets should not be used, since they can spread the fire.

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

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Some metal oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

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

No specific requirements.

### 6.2. Environmental precautions

No specific requirements.

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

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section on "Disposal considerations" in regard of handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container.

#### Storage temperature

No data available.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### OEL

No substances are listed in The Control of Substances Hazardous to Health Regulations with an occupational exposure limit.

#### DNEL / PNEC

No data available

### 8.2. Exposure controls

Control is unnecessary if the product is used as intended.

#### General recommendations

Smoking, eating and drinking are not allowed in the work premises

According to EC-Regulation 2015/830

**Exposure scenarios**

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk management measures in these shall be complied with.

**Exposure limits**

Occupational exposure limits have not been defined for the substances in this product.

**Appropriate technical measures**

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

**Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

No specific requirements.

**Individual protection measures, such as personal protective equipment**

Not applicable

**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

NA

**Skin protection**

No specific requirements.

**Hand protection**

Gloves not needed

**Eye protection**

No specific requirements.

**SECTION 9: Physical and chemical properties**

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

|                              |                    |
|------------------------------|--------------------|
| Form                         | Solid              |
| Colour                       | White              |
| Odour                        | None               |
| Odour threshold (ppm)        | No data available. |
| pH                           | No data available. |
| Viscosity (40°C)             | No data available. |
| Density (g/cm <sup>3</sup> ) | No data available. |

**Phase changes**

|   |                    |
|---|--------------------|
| Melting point (°C)                      | No data available. |
| Boiling point (°C)                      | No data available. |
| Vapour pressure                         | No data available. |
| Decomposition temperature (°C)          | No data available. |
| Evaporation rate (n-butylacetate = 100) | No data available. |

**Data on fire and explosion hazards**

|                          |                    |
|--------------------------|--------------------|
| Flash point (°C)         | No data available. |
| Ignition (°C)            | No data available. |
| Auto flammability (°C)   | No data available. |
| Explosion limits (% v/v) | No data available. |
| Explosive properties     | No data available. |

**Solubility**

|                             |                    |
|-----------------------------|--------------------|
| Solubility in water         | Soluble            |
| n-octanol/water coefficient | No data available. |

**9.2. Other information**

|                         |                    |
|-------------------------|--------------------|
| Solubility in fat (g/L) | No data available. |
|-------------------------|--------------------|

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

According to EC-Regulation 2015/830

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in the section "Handling and storage".

**10.3. Possibility of hazardous reactions**

Nothing special

**10.4. Conditions to avoid**

Nothing special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

No data available.

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

No data available.

**Respiratory or skin sensitisation**

No data available.

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

No data available.

**Reproductive toxicity**

No data available.

**STOT-single exposure**

No data available.

**STOT-repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Long term effects**

Nothing special

**SECTION 12: Ecological information**

**12.1. Toxicity**

No data available.

**12.2. Persistence and degradability**

| Substance | Biodegradability | Test | Result |
|-----------|------------------|------|--------|
|           |                  |      |        |

No data available.

**12.3. Bioaccumulative potential**

| Substance | Potential bioaccumulation | LogPow | BCF |
|-----------|---------------------------|--------|-----|
|           |                           |        |     |

No data available.

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to meet the criteria classifying it as PBT and/or vPvB.

**12.6. Other adverse effects**

Nothing special

**SECTION 13: Disposal considerations**

According to EC-Regulation 2015/830

### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

#### Waste

EWC code

16 05 06\*

laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals

#### Specific labelling

laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals

#### Contaminated packing

No specific requirements.

## SECTION 14: Transport information

### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ADR/RID

14.1. UN number -  
 14.2. UN proper shipping name -  
 14.3. Transport hazard class(es) -  
 14.4. Packing group -  
 Notes -  
 Tunnel restriction code -

#### IMDG

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -  
 EmS -  
 MP\*\* -  
 Hazardous constituent -

#### IATA/ICAO

UN-no. -  
 Proper Shipping Name -  
 Class -  
 PG\* -

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

(\*) Packing group

(\*\*) Marine pollutant

## SECTION 15: Regulatory information

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

#### Restrictions for application

Only for professional users

#### Demands for specific education

-

According to EC-Regulation 2015/830

**Additional information**

Not applicable

**Seveso**

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**Sources**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).

EC regulation 1907/2006 (REACH).

**15.2. Chemical safety assessment**

No

**SECTION 16: Other information**

**Full text of H-phrases as mentioned in section 3**

-

**The full text of identified uses as mentioned in section 1**

-

**Additional label elements**

Not applicable

**Other**

In accordance with Article 31 of REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis in order to distribute relevant information as required under Article 32 of REACH. It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

**The safety data sheet is validated by**

Admin

**Date of last essential change  
(First cipher in SDS version)**

2018-06-27(4.0)

**Date of last minor change  
(Last cipher in SDS version)**

2018-06-27