

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Refilling Solution KCl

**Product no.**

A-87.892.400

**REACH registration number**

Not applicable

**Unique formula identifier (UFI)**

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

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

Electrolyte solution

**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**

2019-03-18

**SDS Version**

5.0

### 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**

According to EC-Regulation 2015/830

General	-
Prevention	-
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:	Water
IDENTIFICATION NOS.:	CAS-no: 7732-18-5 EC-no: 231-791-2
CONTENT:	80-95%
CLP CLASSIFICATION:	NA

NAME:	Potassium chloride
IDENTIFICATION NOS.:	CAS-no: 7447-40-7 EC-no: 231-211-8
CONTENT:	10 - <15%
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(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.

According to EC-Regulation 2015/830

#### **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**

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: Halogenated compounds. 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**

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. 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**

According to EC-Regulation 2015/830

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

### 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	Liquid
Colour	Colourless
Odour	None
Odour threshold (ppm)	No data available.
pH	7
Viscosity (40°C)	No data available.
Density (g/cm <sup>3</sup> )	1.1

### Phase changes

Melting point (°C)	No data available.
Boiling point (°C)	100
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.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

### 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

Substance: Potassium chloride

Species: Fish

Test: LC50

Duration: 96 h

Result: 880 mg/l

Substance: Potassium chloride

Species: Fish

Test: NOEC

Duration: 7 d

Result: 500 mg/l

Substance: Potassium chloride

According to EC-Regulation 2015/830

Species: Fish  
Test: LOEC  
Duration: 7 d  
Result: 1'000 mg/l

Substance: Potassium chloride  
Species: Daphnia  
Test: EC50  
Duration: 48 h  
Result: 83 mg/l

#### 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 mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. Other adverse effects

Nothing special

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

##### Waste

EWC code

-

##### Specific labelling

Not applicable

##### 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.	-
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According to EC-Regulation 2015/830

**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

-

##### Additional information

Not applicable

##### Seveso

-

##### 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).

Regulation (EC) 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

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(5.0)

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

According to EC-Regulation 2015/830

2018-06-27

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