

# Material Safety Data Sheet in accordance with EC/1272/2008

## 1. Identification of the substance / preparation and company

### 1.1 Product Identifier

Product Nr.: ISA33

Trade Name: Potassium ISA solution

REACH Registration Number:

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Identified uses: Reagent for chemical analysis in the laboratory.

### 1.3 Information provided by

Company: Consort b.v.b.a.  
Hertenstraat 56 unit 9  
2300 Turnhout  
Belgium

Contact: Tel: +32 (0) 14 41 12 79  
[support@consort.be](mailto:support@consort.be)  
[info@consort.be](mailto:info@consort.be)

### 1.4 Emergency telephone:

Belgium: 070/245245

Other countries: Please check for the local poison control center.

## 2. Hazard identification

This product is not classified as dangerous according European Union legislation.

## 3. Composition / Information on ingredients

Cas N°	%	Chemical Name	LD50 (mg/kg) oral-rat
7647-14-5	29.2%	Sodium Chloride	8000
7732-18-5	70.8%	Water	---

## 4. First aid measures

### 4.1 Description

1. General: Low hazard via all routes of entry.
2. Inhalation: None.
3. Skin: Rinse with water.
4. Eyes: Rinse with water.
5. Ingestion: Contact medical aid in case of ingestion of large amounts (litres).
6. First Aid: Wash off contact area with water.

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

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

See 4.1.5

## 5. Firefighting measures

### 5.1 Extinguishing media:

In adaptation to materials in the immediate neighbourhood.

Extinguishing media not to be used: Does not apply

### 5.2 Special hazards:

Does not apply.

### 5.3 Protective equipment:

Does not apply.

## 6. Accidental release measures

### 6.1 Personal precautions:

When used appropriate, no negative effects are known.

### 6.2 Environmental precautions:

No special dangers are known by use.

### 6.3 Cleaning methods:

Dilute with large quantity of water.

## 7. Handling and Storage

Handling: No special measures necessary. The product should be handled with usual care when dealing with chemicals.

Storage: Store at room temperature to protect the integrity of the product.

## 8. Exposure controls / personal protection

### 8.1 Control parameters

### 8.2 Exposure controls

#### 8.2.1 Appropriate engineering controls

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

#### 8.2.2 Personal protective equipment

Use eye protection goggles.

#### 8.2.3 Environmental exposure controls

No specific measures

## 9. Physical and Chemical properties

### 9.1 Information on basic physical and chemical properties

#### (a) Appearance

Colourless and transparent liquid

#### (b) Odour

Odourless

#### (c) Odour threshold

Does not apply

#### (d) pH

5.2 - 7.5

#### (e) Melting point / freezing point

-11°C at barometric pressure of 1013 hPa

#### (f) Boiling point

100°C at barometric pressure of 1013 hPa

#### (g) Flash point

Data not available

#### (h) Evaporation rate

No data is available

#### (i) Flammability (solid, gas)

Does not apply, substance is a liquid.

#### (j) Upper/lower flammability or explosive limits

#### (k) Vapour pressure

Data not available

#### (l) Vapour density

Data not available

*(m) Relative density*

Data not available

*(n) Solubility*

Data not available

*(o) Partition coefficient: n-octanol/water*

Data not available

*(p) Auto-ignition temperature*

Data not available

*(q) Decomposition temperature*

Data not available

*(r) Viscosity*

Data not available

*(s) Explosive properties*

Does not apply, substance is not explosive.

*(t) Oxidising properties*

Does not apply, substance is not oxidising

## 10. Stability and reactivity

### 10.1 Reactivity

No hazardous reactivity is known for this product or its ingredients

### 10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature

### 10.3 Possibility of hazardous reactions

No hazardous reactions when handled and stored according to provisions

### 10.4 Conditions to avoid

No data available.

### 10.5 Incompatible materials

Strong Oxidisers.

### 10.6 Hazardous decomposition products

None

## 11. Toxicological information

*Acute toxicity:*

See table of Ingredients in Section 3

*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:*

IARC: No substance of this product is known to be carcinogen in a concentration of at least 0.1 %.

*Reproductive toxicity:*

No data available.

*Specific target organ toxicity (single exposure):*

No data available.

*Specific target organ toxicity (repeated exposure):*

No data available.

*Aspiration hazard:*

No data available.

## 12. Ecological information

### 12.1 Toxicity

Fish: LC50 - *Leopmis macrochirus* - 5.840 mg/l - 96 h  
Daphnia and other invertebrates:  
NOEC - *Daphnia* - 1.500 mg/l - 7 d  
LC50 - *Daphnia magna* (Water flea)- 1.661 mg/l - 48 h

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

No data available.

### 12.5 Results of PBT and vPvB assessment

This product does not meet the PBT/vPvB criteria of REACH.

### 12.6 Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1 Waste treatment methods

#### 13.1.1 Product / Packaging disposal

Product remainders and the packaging must be disposed of in line with the local regulation.

## 14. Transport information

### 14.1 UN number

### 14.2 UN proper shipping name

Non dangerous goods.

### 14.3 Transport hazard class(es)

### 14.4 Packing group

### 14.5 Environmental hazards

No

### 14.6 Special precautions for user

### 14.7 Transport in bulk

## 15. Regulatory information

This safety data sheet is in accordance with the EC regulation 1907/2006

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

No data available

### 15.2 Chemical Safety Assessment

There has no chemical safety assessment been carried out.

## 16. Other information

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