

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

1. Identification of the substance / preparation and company

1.1 Product Identifier

Product Nr.: B562
Trade Name: Potassium Chloride 1 M (Conductivity standard solution)
REACH Registration Number: 01-2119539416-36
CAS-No.: 7447-40-7

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

Identified uses: Reagent for 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
info@consort.be

1.4 Emergency telephone:

Belgium: 070/245245 (poison control centre)
Other countries: Please check for the local poison control centre.

2. Hazard identification

2.1 Classification of the substance or mixture

For the full text of H-sentences mentioned in this Section, see Section 16.
Classification (REGULATION (EC) No 1272/2008) (67/548/EEG or 1999/45/EF)
For the full text of R-sentences mentioned in this Section, see Section 16.

2.2 Label elements

This substance is not classified as hazardous according to EU legislation.

2.3 Other hazards

3. Composition / Information on ingredients

3.1 Substance

Not applicable

3.2 Mixture

CAS-No.: 7447-40-7
EC-Nr: 231-211-8
Formula: KCl/H₂O

4. First aid measures

4.1 Description

1. General: Low hazard via all routes of entry.
2. Inhalation: None.
3. Skin: None.
4. Eyes: None.
5. Ingestion: None.
6. First Aid: Wash off contact area with water.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting measures

5.1 Extinguishing media:

Extinguishing media to be used: In adaption to materials stored 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.

5.4 Further Information

Not available.

6. Accidental release measures

6.1 Personal precautions:

When used appropriate, no negative effects are known. For personal protection see section 8.

6.2 Environmental precautions:

No special dangers are known by use.

6.3 Cleaning methods:

Dilute with large quantity of water.

6.4 Reference to other sections

For disposal see section 13

7. Handling and Storage

7.1 Precautions for safe Handling

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

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

None

7.3 Specific end use

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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.

See section 7.1

8.2.2 Personal protective equipment

Eye: Use goggles.

Respiratory: None. The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

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 liquid

(b) Odour

Odourless

(c) Odour treshold

Does not apply

(d) pH

± 5

(e) Melting point / freezing point

0°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

Data not available

(k) Vapour pressure

Data not available

(l) Vapour density

Data not available

(m) Relative density

1,04 g/ml

(n) Solubility

Soluble in water

(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

See section 10.3

10.2 Chemical stability

No relevant information available

10.3 Possibility of hazardous reactions

No hazardous reactions when handled and stored according to its intended use.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

None

11. Toxicological information

Acute oral and inhalation toxicity:

Quantitative data on the toxicity of this product is not 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.

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

No data available

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

No data available.

12.6 Other adverse effects

No ecological problems are to be expected when the product is hand led and used with due care and attention.

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

Land Transport (ADR/RID)

14.1 UN number

14.2 Proper shipping name

14.3 Class

14.4 Packing group

14.5 Environmentally hazardous -

14.6 Special precautions for user

No

Tunnel restriction code

Inland waterway transport (ADN)

Not relevant

Air Transport (IATA)

14.1 UN number

14.2 Proper shipping name

Non dangerous goods.

14.3 Class

14.4 Packing group

14.5 Environmentally hazardous

14.6 Special precautions for user

No

Sea Transport (IMDG)

14.1 UN number

14.2 Proper shipping name

Non dangerous goods.

14.3 Class

14.4 Packing group

14.5 Environmentally hazardous

14.6 Special precautions for user

No

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

15. Regulatory information

This safety data sheet is in accordance with the EC regulation 1272/2008

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

There has no chemical safety assessment been carried out.

15.2 Chemical Safety Assessment

There has no chemical safety assessment been carried out.

16. Other information

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