

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

1. Identification of the substance / preparation and company

1.1 Product Identifier

Product Nr.: ISC24
Trade Name: 1000 ppm Chloride Standard 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 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 N°	%	Chemical Name	LD50 (mg/kg) oral-rat
7647-14-5	<1,7%	Sodium Chloride	8000
7732-18-5	>98,3%	Water	---

4. First aid measures

4.1 Description

- General: Low hazard via all routes of entry.
- Inhalation: Move person into fresh air. If not breathing, give artificial respiration.
- Skin: Wash off with soap and plenty of water.
- Eyes: Rinse with water.
- Ingestion: Contact medical aid in case of ingestion of large amounts (litres). Never give anything by mouth to an unconscious person.
- 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

5. Firefighting measures

5.1 Extinguishing media:

Extinguishing media to be used: Use water spray, alcohol resistant foam, dry chemical or Carbon dioxide
Extinguishing media not to be used: Does not apply

5.2 Special hazards:

Hydrogen chloride gas, Sodium oxides

5.3 Advice for firefighters:

Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further Information

Not available.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid breathing vapours, mist or gas.

6.2 Environmental precautions:

Do not let product enter drains.

6.3 Cleaning methods:

Dilute with large quantity of water.
Keep in suitable closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13

7. Handling and Storage

7.1 Precautions for safe Handling

Avoid contact with eyes. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and upright in a dry and well-ventilated place.
Store at ambient or lower temperature.
Protect against physical damage.

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

Contains no substances with occupational exposure limit values.
Maintain general industrial hygiene practices when using this product.

8.2.2 Personal protective equipment

Eye: Use goggles.
Use eye protection **goggles**. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).
Handle with **gloves**. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
Wash and dry hands after handling.

Protective impervious 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.

8.2.3 Environmental exposure controls

No specific measures

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance

Colourless and clear liquid

(b) Odour

Odourless

(c) Odour treshold

Does not apply

(d) pH

5.2 - 7.5

(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

(k) Vapour pressure

Data not available

(l) Vapour density

Data not available

(m) Relative density

1,000 g/cm³

(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

Data not available

(t) Oxidising properties

Data not available

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

No data available

10.6 Hazardous decomposition products

None

11. Toxicological information

Acute oral and inhalation 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, ACGIH, NTP, OSHA: 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

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 data available.

13. Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal

Offer surplus and non-recyclable solutions to a licensed disposal company or follow the local legislation.
Packaging has to be disposed of as unused product.

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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