

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

1. Identification of the substance / preparation and company

1.1 Product Identifier

Product Nr.: ISC31

Trade Name: 1000 ppm Nitrate Standard solution, Sodium Nitrate

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. Calibraton solution Ion selective electrode

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 Center)

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

2. Hazard identification

May cause eye and skin irritation.

May cause respiratory and digestive tract irritation.

3. Composition / Information on ingredients

<u>Cas N°</u>	<u>Weight %</u>	<u>Chemical Name</u>
7631-99-4	< 1.4 %	Sodium Nitrate
7732-18-5	> 98.6%	Water

4. First aid measures

4.1 Description

1. General:
2. Inhalation: Bring the victim in open fresh air.
3. Skin: Rinse with plenty of water.
4. Eyes: Rinse with thoroughly plenty of water and seek medical advice.
5. Ingestion: Contact medical aid in case of ingestion.
6. First Aid: Wash off contact area with water.

4.2 Overexposure symptoms

5. Firefighting measures

5.1 Extinguishing media:

Extinguishing media to be used: Water spray or CO₂

Extinguishing media not to be used: Full water jet

5.2 Special hazards:

Special hazards arising from the substance or preparation itself, combustion products, resulting gases: in the event of fire the following can be released: irritant gases/vapours.

5.3 Protective equipment:

When required, use self contained breathing apparatus at fire fighting.

6. Accidental release measures

6.1 Personal precautions:

Prevent inhalation of vapour/gas/spray.

6.2 Environmental precautions:

No special dangers are known by use.

6.3 Cleaning methods:

Clean up with inert absorbent material (e.g. sand, vermiculite) and set aside in closed containers for waste disposal.

7. Handling and Storage

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

Storage: Store well sealed in cool (max. 25 °C) dark place.

8. Exposure controls / personal protection

8.1 Control parameters

8.2 Exposure controls

8.2.1 Appropriate engineering controls

8.2.2 Personal protective equipment

Use eye protection goggles.

Use protective gloves. Use proper glove removal technique to avoid skin contact with the product. Wash and dry hands after handling.

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.

8.2.3 Environmental exposure controls

No specific measures.

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance

Colourless clear liquid

(b) Odour

Odourless

(c) Odour threshold

Does not apply

(d) pH

5.5 - 7.5

(e) Melting point / freezing point

-4 °C at barometric pressure of 1013 hPa

(f) Boiling point

100 °C at barometric pressure of 1013 hPa

(g) Flash point

Not flammable.

(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

1.100 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

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

Heating to dryness.

10.5 Incompatible materials

Strong reducing agents.

10.6 Hazardous decomposition products

Nitrogen Oxides

11. Toxicological information

Acute toxicity:

Oral LD50: 3236 mg/kg rat

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.

Additional information

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

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

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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