

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

1. Identification of the substance / preparation and company

1.1 Product Identifier

Product Nr.: ISA24
Trade Name: Ion Strength Adjuster solution for Chloride
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
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

2.1 Classification of the substance or mixture.

According to Regulation (EC) No 1272/2008

Eyes irritation, H319 (Causes serious eye irritation)

2.2 Label elements

According to Regulation (EC) No 1272/2008



Health Hazard

2.3 Other hazards

May cause eye and skin irritation
May cause respiratory and digestive tract irritation

3. Composition / Information on ingredients

Cas N°	%	Chemical Name	LD50 (mg/kg) oral-rat
7631-99-4	42,5%	Sodium Nitrate	913 mg/kg rat
7732-18-5	57,5%	Water	---

4. First aid measures

4.1 Description

1. General: Consult a physician. Show this safety data sheet to the doctor in attendance.
2. Inhalation: Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
3. Skin: Wash off with soap and plenty of water. Consult a physician.
4. Eyes: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.
5. Ingestion: Never give anything by mouth to an unconscious person. Give victim water to drink to dilute the product. Consult a physician.
6. First Aid: Wash off contact area with plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

See labelling (section 2).

4.3 Indication of any immediate medical attention and special treatment needed

See 4.1.

5. Firefighting measures

5.1 Extinguishing media:

Extinguishing media to be used: Water spray or CO₂.
Extinguishing media not to be used: Dry chemicals

5.2 Special hazards:

5.3 Protective equipment:

Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental release measures

6.1 Personal precautions:

Use personal protective equipment.
Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
For personal protection see section 8.

6.2 Environmental precautions:

None

6.3 Cleaning methods:

Soak up with inert absorbent material (e.g. sand or vermiculite) and collect for disposal.

7. Handling and Storage

7.1 Safe Handling

Avoid contact with skin and eyes.
Avoid inhalation of vapour or mist.
Wash thoroughly after handling.

7.2 Safe Storage

Store in a cool place.
Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Store at ambient or lower temperature.
Protect against physical damage.

8. Exposure controls / personal protection

8.1 Control parameters

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Handle in accordance with safety practice and good hygiene.

8.2.2 Personal protective equipment

Use **eye/face protection**. Tightly fitting safety goggles. Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

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.

Handle with gloves. The selected **protective gloves** have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

8.2.3 Environmental exposure controls

Prevent further leakage or spillage if safe to do so.

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

(a) Appearance

Colourless liquid

(b) Odour

None

(c) Odour threshold

Data not available

(d) pH

4,5 - 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

Data not available

(h) Evaporation rate

No data is available

(i) Flammability (solid, gas)

Does not apply, substance is a liquid. Not flammable.

(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

1,1 g/cm³

(n) Solubility

Water soluble

(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

Data not available

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Data not available

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:

See table of Ingredients in Section 3

Skin corrosion/Irritation:

No data available. See additional information.

Serious eye damage/irritation:

No data available. See additional information.

Respiratory or skin sensitisation:

No data available. See additional information.

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. See additional information.

Additional Information

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, skin, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea.

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 offered to a licensed disposal company.

14. Transport information

IATA Proper Shipping Name: Nitrates, inorganic, aqueous solution, n.o.s., IATA UN# 3218, Class 5.1, PG III

DOT (US) Proper Shipping Name: Nitrates, inorganic, aqueous solution, n.o.s., UN# 3218, Class 5.1, PG III

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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