

# SAFETY DATA SHEET

according to Regulation (EG) no 1907/2006

Generic EU MSDS – No country specific data

REVISION DATE: 2017-03-06

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Ringer Solution

Article number: 09-1025

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

Identified uses: Laboratory Chemical

### 1.3 Details of the supplier of the safety data sheet

Company: Medicago AB  
Danmark Berga 13  
755 98 Uppsala

Telephone: +46 (0)18 56 11 80

Facsimile: +46 (0)18 56 11 88

E-mail address: info@medicago.se

### 1.4 Emergency telephone number

Emergency telephone number: Giftinformationscentralen 112 (Sweden)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)

Classified as: Eye Irritation (category 2), H319

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (EU-GHS/CLP)



Signal word: Warning

Hazard statement(s):

H319 Causes serious eye irritation

Precautionary statement(s):

P280 Wear protective gloves/ protective clothing/eye protection

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Complementary hazard information:

No further information

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**2.3 Other hazards**

No data available

**3. Composition/information on ingredients****3.2 Mixtures**

Substance	CAS-no.	EC-no.	Index-no.	Weight %	Classification according to constitution (EG) No 1272/2008 (CLP)
Sodium Chloride	7467-14-5	231-598-3	-	85-95%	Not classified
Potassium Chloride	7447-40-7	231-211-8	-	1-5%	Not classified
Calcium Chloride x 2H <sub>2</sub> O	10035-04-8	233-140-8	017-013-002	1-5%	Eye Irrit 2, H319
Sodium Hydrogen Carbonate	144-55-8	205-633-8	-	1-5%	Not classified

For the full text of the H-statement in this section, see section 16.

**4. First aid measures****4.1 Description of first aid measures**

If swallowed	Rinse mouth with plenty of water, get medical attention if you feel unwell
If inhaled	Move to fresh air, get medical attention if you feel unwell
In case of skin contact	Wash with plenty of water and soap, get medical attention if irritation develops
In case of eye contact	Rinse with water for at least 15 min, remove contact lenses if present and easy to do, get medical attention
General advice	Show this safety data sheet to the doctor in attendance

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

No data available

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

No data available

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical powder

For large fire: Use water spray, fog or foam

### 5.2 Special hazards arising from the substance or mixture

No data available

### 5.3 Advice for fire fighters

Wear self-containing breathing apparatus for firefighting if necessary

### 5.4 Further information

No further information

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, wear lab coat, proper gloves and boots, and wear safety goggles if necessary

### 6.2 Environmental precautions

No data available

### 6.3 Methods and material for containment and cleaning up

Sweep up and shovel, keep in a suitable, closed and proper labelled container for disposal

### 6.4 Reference to other sections

For disposal: See section 13

## 7. Handling and storage

### 7.1 Precautions for safe handling

Ensure sufficient ventilation, avoid dust formation, avoid contact with skin and eyes, and wash hand after use

### 7.2 Conditions for safe storage, including any incompatibilities

Store in the original container in a dry and well-ventilated place

### 7.3 Specific end use(s)

No data available

## 8. Exposure controls/personal protection

### 8.1 Control parameters

No data available

### 8.2 Exposure controls

#### Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to keep the airborne levels low, if user operations generate dust, fume or mist; use ventilation to keep exposure to airborne contaminations below exposure limits.

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**Personal protective equipment**

<b>Eye/face protection:</b>	Use safety goggles
<b>Skin protection:</b>	Wear suitable gloves; gloves must be inspected prior use
<b>Body Protection:</b>	Wear lab coat or other impervious clothes
<b>Respiratory protection:</b>	Use suitable dust respirator if necessary

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	white tablets
Odour	odourless
Odour threshold	no data available
pH	7-8 at 25°C (after dissolving in water)
Melting point/ freezing point	no data available
Initial boiling point and boiling range	no data available
Flash point	no data available
Evaporation rate	no data available
Flammability (Solid, gas)	no data available
Upper/lower flammability or explosive limits	no data available
Vapour pressure	no data available
Vapour density	no data available
Relative density	no data available
Water solubility	soluble
Partition coefficient: n-octanol/ water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

**9.2 Other information**

No other information

**10. Stability and Reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

No data available

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.2 Mixtures

**Acute toxicity**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/ eye irritation**

No data available

**Respiratory or skin sensitization**

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

**Potential health effects**

Eyes Cause serious eye irritation

## 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

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Do not dump into any sewers, on the ground or in any body of water.

## 14. Transport information

### 14.1 UN-number

ADR-RID: -                      IMDG: -                      IATA: -

### 14.2 UN proper shipping name

ADR-RID:                      Not dangerous goods  
IMDG:                         Not dangerous goods  
IATA:                         Not dangerous goods

### 14.3 Transport hazard class(es)

ADR-RID: -                      IMDG: -                      IATA: -

### 14.4 Packaging group

ADR-RID: -                      IMDG: -                      IATA: -

### 14.5 Environmental hazards

ADR-RID:                      no  
IMDG, water pollutant:     no  
IATA:                         no

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

## 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

No data available

## 16. Other information

This information is based on the current state of knowledge.

Precaution and disclaimer: For laboratory use only; not for drug, household, or any other use

### Full text of H-phrases in section 3

H319	Causes serious eye irritation
Eye Irrit 2	Eye Irritation (category 2)