

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**172533 Rochelle Salt Solution**

Revision date: 13.11.2018

Product code: 172533

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

172533 Rochelle Salt Solution

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Water analysis

**1.3. Details of the supplier of the safety data sheet**

Company name: HACH LANGE GmbH  
Street: Willstätterstr. 11  
Place: D-40549 Düsseldorf  
Telephone: +49 (0)211 5288-383  
e-mail: SDS@hach.com  
Internet: www.de.hach.com  
Responsible Department: HACH LANGE Ltd.  
5, Pacific Way  
Salford Manchester M50 1DL - United Kingdom  
Tel. +44 (0) 161 872 1487 \* Fax +44 (0) 161 848 7324  
e-Mail: info-uk@hach.com

HACH LANGE Ltd.  
Unit 1, Chestnut Road Western Industrial Estate  
IRL-Dublin 12  
Tel. +353 (0)1 4602522  
e-Mail: info-ie@hach.com

**1.4. Emergency telephone number:**

Poison Control Center Mainz: Tel: +49 (0) 6131 19240 - 24 hour emergency service -

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Additional advice on labelling**

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

**2.3. Other hazards**

no data available

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

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**Hazardous components**

| CAS No    | Chemical name                          |          |          | Quantity |
|-----------|--|----------|----------|----------|
|           | EC No                                  | Index No | REACH No |          |
|           | GHS Classification                     |          |          |          |
| 7732-18-5 | Water                                  |          |          | 45-55 %  |
|           | 231-791-2                              |          |          |          |
|           |  |          |          |          |
| 6381-59-5 | Potassium sodium tartrate tetrahydrate |          |          | 45-55 %  |
|           | 205-698-2                              |          |          |          |
|           |  |          |          |          |

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take off all contaminated clothing immediately.

**After inhalation**

not hazardous by inhalation

**After contact with skin**Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.  
If skin irritation persists, call a physician.**After contact with eyes**Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.  
Show this safety data sheet to the doctor in attendance.**After ingestion**

If conscious, drink plenty of water. Call a physician immediately. Show this safety data sheet to the doctor in attendance.

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

No known effect.

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

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

No Limit

**5.2. Special hazards arising from the substance or mixture**Fire may liberate hazardous vapours. Sodium oxides, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>)**5.3. Advice for firefighters**

In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit. In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

**Additional information**

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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#### SECTION 6: Accidental release measures

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

Use personal protective equipment.

Only qualified personnel equipped with suitable protective equipment may intervene. Immediately evacuate personnel to safe areas.

For personal protection see section 8.

##### **6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

##### **6.4. Reference to other sections**

13. Disposal considerations

#### SECTION 7: Handling and storage

##### **7.1. Precautions for safe handling**

###### **Advice on safe handling**

Avoid contact with skin and eyes.

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

###### **Requirements for storage rooms and vessels**

Keep container tightly closed in a dry and well-ventilated place.

###### **Hints on joint storage**

Do not store together with Organic materials

##### **7.3. Specific end use(s)**

Reagent for analysis

#### SECTION 8: Exposure controls/personal protection

##### **8.1. Control parameters**

##### **8.2. Exposure controls**

###### **Appropriate engineering controls**

Technical measures and appropriate working operations should be given priority over the use of personal protective equipment.

###### **Protective and hygiene measures**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

###### **Eye/face protection**

Safety glasses with side-shields

###### **Hand protection**

Use barrier skin cream.

Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374. In full contact:

Gloves material: Viton, Layer thickness: 0.70 mm, Breakthrough time: >480 min. In splash contact: Glove

material: nitrile rubber, Layer thickness 0,20 mm, Breakthrough time: > 30 min

###### **Skin protection**

Avoid contact with skin, eyes and clothing.

###### **Respiratory protection**

Provide adequate ventilation.

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

|                      |                   |
|----------------------|-------------------|
| Physical state:      | liquid            |
| Colour:              | clear, colourless |
| Odour:               | odourless         |
| pH-Value (at 20 °C): | 7,4               |

**Changes in the physical state**

|  |                   |
|--|-------------------|
| Melting point:                           | not applicable    |
| Initial boiling point and boiling range: | no data available |
| Sublimation point:                       | not applicable    |
| Softening point:                         | not applicable    |
| Pour point:                              | no data available |
| :  | no data available |
| Flash point:                             | no data available |

**Flammability**

|        |                   |
|--------|-------------------|
| Solid: | no data available |
| Gas:   | no data available |

**Explosive properties**

not applicable

|                         |                   |
|-------------------------|-------------------|
| Lower explosion limits: | not applicable    |
| Upper explosion limits: | not applicable    |
| Ignition temperature:   | no data available |

**Auto-ignition temperature**

|        |                   |
|--------|-------------------|
| Solid: | no data available |
| Gas:   | no data available |

Decomposition temperature: no data available

**Oxidizing properties**

no data available

|                                 |                        |
|---------------------------------|------------------------|
| Vapour pressure:                | no data available      |
| Vapour pressure:                | no data available      |
| Density (at 20 °C):             | 1,25 g/cm <sup>3</sup> |
| Bulk density:                   | not applicable         |
| Water solubility:<br>(at 20 °C) | soluble                |

**Solubility in other solvents**

no data available

|                          |                   |
|--------------------------|-------------------|
| Partition coefficient:   | no data available |
| Viscosity / dynamic:     | no data available |
| Viscosity / kinematic:   | no data available |
| Flow time:               | no data available |
| Vapour density:          | no data available |
| Evaporation rate:        | no data available |
| Solvent separation test: | no data available |
| Solvent content:         | no data available |

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#### **9.2. Other information**

Solid content:

no data available

no data available

## SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No dangerous reaction known under conditions of normal use.

#### **10.2. Chemical stability**

The product is chemically stable. Hazardous polymerisation does not occur.

#### **10.3. Possibility of hazardous reactions**

None known.

#### **10.4. Conditions to avoid**

Extremes of temperature and direct sunlight.

#### **10.5. Incompatible materials**

None known.

#### **10.6. Hazardous decomposition products**

Sodium oxides

Carbon oxides

#### **Further information**

Stable under recommended storage conditions.

## SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No toxicology information is available.

##### **Acute toxicity**

No data is available on the product itself.

##### **Irritation and corrosivity**

No known effect.

##### **Sensitising effects**

No known effect.

##### **Carcinogenic/mutagenic/toxic effects for reproduction**

Contains no ingredient listed as a carcinogen

##### **STOT-single exposure**

The substance or mixture is not classified as specific target organ toxicant, single exposure.

##### **STOT-repeated exposure**

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

##### **Aspiration hazard**

No aspiration toxicity classification

##### **Specific effects in experiment on an animal**

No toxicology information is available.

##### **Additional information on tests**

None known.

#### **Further information**

Other dangerous properties can not be excluded. Handle in accordance with good industrial hygiene and safety practice.

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#### SECTION 12: Ecological information

##### 12.1. Toxicity

No data is available on the product itself.

##### 12.2. Persistence and degradability

No data is available on the product itself.

##### 12.3. Bioaccumulative potential

No data is available on the product itself.

##### 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

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

###### **Disposal recommendations**

In accordance with local and national regulations.

###### **List of Wastes Code - residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

###### **List of Wastes Code - used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

###### **List of Wastes Code - contaminated packaging**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

###### **Contaminated packaging**

Dispose of as unused product.

#### SECTION 14: Transport information

##### Land transport (ADR/RID)

14.2. UN proper shipping name: Not subject to transport regulations.

##### Inland waterways transport (ADN)

14.2. UN proper shipping name: Not tested

##### Marine transport (IMDG)

14.2. UN proper shipping name: Not subject to transport regulations.

##### Air transport (ICAO-TI/IATA-DGR)

14.2. UN proper shipping name: Not subject to transport regulations.

##### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

##### 14.6. Special precautions for user

no data available

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**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

Not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

The product does not need to be labelled in accordance with EC directives or respective national laws.

**National regulatory information**

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

Revision: 13.11.2018

Safety datasheet sections which have been updated: 11, 15

Revision: 29.05.2015

Safety datasheet sections which have been updated: 2

Revision: 27.12.2013

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*