



Neutron<sup>®</sup> Pharmaceutical Co.  
Manufacturer of Laboratory Chemical & Pharmaceutical Materials

# Safety Data Sheet

Part No. 025 139, Conductivity Standard 10 $\mu$ S/cm  
Revision date: 18/02/14

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** Conductivity Standard 10 $\mu$ S/cm at 25°C

**Part number:** 2.3010

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

Laboratory chemicals

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

NEUTRON PHARMACHEMICAL CO  
98, 9th Floor, Borjsaz Building, Azadi Ave, Tehran, Iran.  
T 021-66906732-3 - F 021-66581408  
[info@neutronpharmaceutical.com](mailto:info@neutronpharmaceutical.com) -  
[www.neutronpharmaceutical.com](http://www.neutronpharmaceutical.com)

**1.4. Emergency telephone number**      125

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008:**  
The product is not classified according to the CLP regulation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC:**  
Not applicable
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 2.2. Label elements

- **Labelling according to Regulation (EC) No 1272/2008:** Void
- **Hazard pictograms:** Void
- **Signal word:** Void
- **Hazard statements:** Void

### 2.3. Other hazards

#### Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

**CAS No. and description:** 231-791-2 Purified water

### 3.2. Mixtures

Mixture of substances listed below with non-hazardous additions.

**Dangerous components:** Void.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- **General information:** No special measures required.
- **After inhalation:** Provide fresh air, warmth and rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Obtain medical attention if any discomfort continues.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Promptly wash eyes with plenty of water for up to 15 minutes. Open eyes wide apart and rinse well to remove any contact lenses. Do not remove contact lenses by hand. Continue to rinse. Get medical attention if symptoms persist.
- **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

No further relevant information available.

### 5.3. Advice for firefighters

No special measures required.

## SECTION 6: Accidental release measures

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

Not required.

### 6.2. Environmental precautions

Dilute with plenty of water

Do not allow to enter sewers surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4. Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No special measures required

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

No special requirements

### 7.3. Specific end use(s)

No further relevant information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Ingredients with limit values that require monitoring in the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### 8.2. Exposure controls

- **General protective and hygienic measures:** This product should be handled in accordance with good laboratory practices. Standard personal protective equipment for laboratory work includes safety glasses and lab coat.
- **Eye protection:** Safety glasses with side shields.
- **Skin and hand protection:** Lab coat, nitrile gloves.
- **Respiratory protection:** Presents no significant inhalation hazard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance:	
Form	Liquid
Colour	According to product specification
Odour	Characteristic
Odour threshold	Not determined
pH	Not determined



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Melting point/melting range	0°C
Boiling point/boiling range	62°C
Flash point	Not applicable
Flammability (solid, gaseous)	Not applicable
Decomposition temperature	Not determined
Self-igniting	Product is not self-igniting
Danger of explosion	Product does not present an explosion hazard
Explosion limits:	
Lower	Not determined
Upper	Not determined
Vapour pressure at 20°C	23 hPa
Density	Not determined
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility/miscibility with water	Fully miscible
Partition coefficient (n-octanol/water)	Not determined
Dynamic viscosity	Not determined
Kinematic viscosity	Not determined
Organic solvent contents	0.0%

## 9.2. Other information

No further relevant information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No relevant information available

### 10.2. Chemical stability

No decomposition if used according to specifications.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.



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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- **Irritant effect on skin:** No irritating effect.
- **Irritant effect on the eye:** No irritating effect.
- **Effect of ingestion:** Effect not known.
- **Effect of inhalation:** Effect not known.
- **Sensitization:** No sensitizing effects known.
- **Other information:**

When used and handled according to specifications, the product does not have any harmful effects in our experience and the information provided to us.

## SECTION 12: Ecological information

### 12.1. Toxicity

No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4. Mobility in soil

No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

### 12.6. Other adverse effects

**Water hazard class:** Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system even in small quantities. Danger to drinking water even if extremely small quantities leak into the ground.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- **Product:** Smaller quantities can be disposed of with household waste.
- **Uncleansed packaging:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

### 14.1. UN number

ADR, ADN, IMDG, IATA:

Void



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<b>14.2. UN proper shipping name</b> ADR, ADN, IMDG, IATA:	Void
<b>14.3. Transport hazard class(es)</b> ADR, ADN, IMDG, IATA:	Void
<b>14.4. Packing group</b> ADR , IMDG, IATA:	Void
<b>14.5. Environmental hazards</b> Marine pollutant:	No
<b>14.6. Special precautions for user</b>	Not applicable
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Water hazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

## SECTION 16: Other information

The above information is believed to be accurate and represents the best information currently available to us. All products are offered in accordance with the manufacturer's current production specifications and are intended solely for use in analytical testing. The manufacturer or supplier shall in no event be liable for any injury, loss or damage resulting from the handling, use or misuse of this product.

**Department issuing SDS:** Marketing

**Contact:** [jinfo@neutronpharmaceutical.com](mailto:jinfo@neutronpharmaceutical.com)

### Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
- IMDG: International Maritime Code for Dangerous Goods
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)