



# SAFETY DATA SHEET ( SDS )

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008, (EU) No. 453/2010

Revision Date 26-May-2015

WAI2 - EGHS - EUROPEAN

Revision Number 2

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product Identifier

**Product Name** Electrode Rinse Solution  
**Product Number(s)** 35653-00  
**Pure substance/mixture** Mixture

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

**Recommended Use** Use as laboratory reagent  
**Uses advised against** No Information available

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

**Manufacturer/Supplier** Cole-Parmer™  
North America  
625 East Bunker Court  
Vernon Hills, IL  
60061 USA  
Tel: 1-800-323-4340

**E-mail address** [info@coleparmer.com](mailto:info@coleparmer.com)

**Made in** USA

**1.4. Emergency telephone number** 24 Hour Emergency Phone Number  
CHEMTREC®  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: 1-703-527-3887  
(collect calls accepted)

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### **Classification - Mixture**

#### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [GHS]

#### **Classification according to EU Directives 67/548/EEC or 1999/45/EC**

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16.

#### **Symbol(s)**

Not dangerous goods

### 2.2. Label elements

#### **Product Identifier**

#### **Signal Word**

None

EUH210 - Safety data sheet available on request

P202 - Do not handle until all safety precautions have been read and understood

### 2.3. Other hazards

No information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

**Note** \*The exact percentage (concentration) of composition has been withheld as a trade secret

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16.

Full text of H- and EUH-phrases: see section 16

**SECTION 4: FIRST AID MEASURES****4.1. Description of first aid measures**

|                                   |   |
|-----------------------------------|---|
| <b>General Advice</b>             | Use first aid treatment according to the nature of the injury. For further assistance, contact your local Poison Control Center. Show this safety data sheet to the doctor in attendance.   |
| <b>Eye Contact</b>                | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.  |
| <b>Skin Contact</b>               | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.  |
| <b>Inhalation</b>                 | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.   |
| <b>Ingestion</b>                  | Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately.   |
| <b>Protection of First-aiders</b> | Use personal protective equipment. See Section 8 for more detail. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |

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

**Most important symptoms/effects** No information available

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

**Notes to Physician** 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 information available

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

Thermal decomposition can lead to release of irritating gases and vapors.

**5.3. Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment. Evacuate personnel to safe areas.

**6.2. Environmental precautions**

**Environmental Precautions** Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

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

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

#### **Reference to Other Sections**

Refer to protective measures listed in Sections 7 and 8

See Section 8 for information on appropriate personal protective equipment

See Section 12 for additional Ecological Information

See Section 13 for additional waste treatment information

## **SECTION 7: HANDLING AND STORAGE**

### 7.1. Precautions for safe handling

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

To avoid risks to human health and the environment, comply with the instructions for use. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation, especially in confined areas.

#### **General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice.

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

#### **Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from direct sunlight.

### 7.3. Specific end use(s)

#### **Specific Use**

Laboratory reagent

#### **Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1. Control parameters

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available

### 8.2. Exposure controls

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

#### **Personal protective equipment**

**Eye/face Protection** Wear chemical splash goggles. If splashes are likely to occur, wear: Face-shield.

**Skin and body protection** Wear protective gloves/clothing.

**Respiratory Protection** No protective equipment is needed under normal use conditions. In case of inadequate ventilation wear respiratory protection.

**Environmental exposure controls** No information available

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

|                       |                          |
|-----------------------|--------------------------|
| <b>Physical State</b> | Liquid                   |
| <b>Appearance</b>     | Colorless                |
| <b>Odor</b>           | Odorless                 |
| <b>Odor Threshold</b> | No information available |
| <b>pH Range</b>       | 5.5 - 8.5                |

| <u>Property</u>                     | <u>Values</u>            | <u>Remarks • Method</u> |
|-------------------------------------|--------------------------|-------------------------|
| <b>Melting point/freezing point</b> | No information available |                         |
| <b>Boiling Point/Range</b>          | ~ 100 °C / 212 °F        |                         |
| <b>Flash Point (High in °C)</b>     | No information available |                         |
| <b>Evaporation Rate</b>             | No information available |                         |
| <b>Flammability (solid, gas)</b>    | No information available |                         |
| <b>Flammability Limit in Air</b>    |                          |                         |
| <b>Upper flammability limit:</b>    | No information available |                         |
| <b>Lower flammability limit:</b>    | No information available |                         |
| <b>Vapor pressure</b>               | No information available |                         |
| <b>Vapor Density</b>                | No information available |                         |
| <b>Specific Gravity</b>             | No information available |                         |
| <b>Water Solubility</b>             | Soluble in water         |                         |
| <b>Solubility in other solvents</b> | No information available |                         |
| <b>Partition coefficient</b>        | No information available |                         |
| <b>Autoignition Temperature</b>     |                          |                         |
| <b>Decomposition Temperature</b>    | No information available |                         |
| <b>Kinematic Viscosity</b>          | No information available |                         |
| <b>Dynamic viscosity</b>            | No information available |                         |
| <b>Explosive Properties</b>         | No information available |                         |
| <b>Oxidizing Properties</b>         | No information available |                         |

### 9.2. Other information

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening Point</b>  | No information available |
| <b>Molecular Weight</b> | No information available |
| <b>VOC Content(%)</b>   | No information available |
| <b>Density</b>          | No Information available |
| <b>Bulk Density</b>     | No information available |

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No information available

### 10.2. Chemical stability

Stable under normal conditions

### Explosion Data

|                                  |      |
|----------------------------------|------|
| Sensitivity to Mechanical Impact | None |
| Sensitivity to Static Discharge  | None |

### 10.3. Possibility of hazardous reactions

None under normal processing

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight

**10.5. Incompatible materials**

No information available

**10.6. Hazardous decomposition products**

Thermal decomposition can lead to release of irritating gases and vapors

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1. Information on toxicological effects**

**Acute Toxicity**

**Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

|                     |                          |
|---------------------|--------------------------|
| <b>Inhalation</b>   | No information available |
| <b>Eye Contact</b>  | No information available |
| <b>Skin Contact</b> | No information available |
| <b>Ingestion</b>    | No information available |

**Unknown Acute Toxicity**                      0% of the mixture consists of ingredient(s) of unknown toxicity.

**Skin Corrosion/Irritation**                      No information available

**Serious eye damage/eye irritation**                      No information available

**Sensitization**                                      No information available

**Mutagenic Effects**                                No information available

**Carcinogenic effects**                            No information available

**Reproductive Effects**                            No information available

**STOT - single exposure**                        No information available

**STOT - repeated exposure**                        No information available

**Aspiration hazard**                                No information available

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity**

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**12.2. Persistence and degradability**

No information available

**12.3. Bioaccumulative potential**

No information available

**12.4. Mobility in soil**

No information available

**12.5. Results of PBT and vPvB assessment**

No information available

**12.6. Other adverse effects**

No information available

**Endocrine Disruptor Information**

No information available

**SECTION 13: DISPOSAL CONSIDERATIONS**

**13.1. Waste treatment methods**

**Waste from Residues / Unused Products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Improper disposal or reuse of this container may be dangerous and illegal.

**SECTION 14: TRANSPORT INFORMATION**

**IMDG/IMO**

|  |                          |
|--|--------------------------|
| <b>14.1 UN-No</b>  | Not Regulated            |
| <b>14.2 Proper Shipping Name</b>   | Not Regulated            |
| <b>14.3 Hazard Class</b>   | Not Regulated            |
| <b>Subsidiary Hazard Class</b>   | Not Regulated            |
| <b>14.4 Packing Group</b>  | Not Regulated            |
| <b>14.5 Marine Pollutant</b>   | Not Applicable           |
| <b>14.6 Special Provisions</b>   | None                     |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | No information available |

**RID**

|                                  |                |
|----------------------------------|----------------|
| <b>14.1 UN-No</b>                | Not Regulated  |
| <b>14.2 Proper Shipping Name</b> | Not Regulated  |
| <b>14.3 Hazard Class</b>         | Not Regulated  |
| <b>14.4 Packing Group</b>        | Not Regulated  |
| <b>14.5 Environmental hazard</b> | Not Applicable |
| <b>14.6 Special Provisions</b>   | None           |

**ADR**

|                                  |                |
|----------------------------------|----------------|
| <b>14.1 UN-No</b>                | Not Regulated  |
| <b>14.2 Proper Shipping Name</b> | Not Regulated  |
| <b>14.3 Hazard Class</b>         | Not Regulated  |
| <b>14.4 Packing Group</b>        | Not Regulated  |
| <b>14.5 Environmental hazard</b> | Not Applicable |
| <b>14.6 Special Provisions</b>   | None           |

**ICAO**

|                                  |                |
|----------------------------------|----------------|
| <b>14.1 UN-No</b>                | Not Regulated  |
| <b>14.2 Proper Shipping Name</b> | Not Regulated  |
| <b>14.3 Hazard Class</b>         | Not Regulated  |
| <b>Subsidiary Hazard Class</b>   | Not Regulated  |
| <b>14.4 Packing Group</b>        | Not Regulated  |
| <b>14.5 Environmental hazard</b> | Not Applicable |
| <b>14.6 Special Provisions</b>   | None           |

**IATA**

|                   |               |
|-------------------|---------------|
| <b>14.1 UN-No</b> | Not Regulated |
|-------------------|---------------|

|                                  |                |
|----------------------------------|----------------|
| <b>14.2 Proper Shipping Name</b> | Not Regulated  |
| <b>14.3 Hazard Class</b>         | Not Regulated  |
| <b>14.4 Packing Group</b>        | Not Regulated  |
| <b>14.5 Environmental hazard</b> | Not Applicable |
| <b>14.6 Special Provisions</b>   | None           |

**SECTION 15: REGULATORY INFORMATION**

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

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**International Inventories**

|                      |                 |
|----------------------|-----------------|
| <b>USINV</b>         | Complies        |
| <b>CANINV</b>        | Complies        |
| <b>EINECS/ELINCS</b> | Complies        |
| <b>ENCS</b>          | Does not Comply |
| <b>IECSC</b>         | Complies        |
| <b>KECL</b>          | Complies        |
| <b>PICCS</b>         | Complies        |
| <b>AICS</b>          | Complies        |

**USINV/ TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**CANINV/ DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENCS** - Japanese Existing and New Chemical Substances  
**IECSC** - Chinese Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**15.2. Chemical safety assessment**

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required

**SECTION 16: OTHER INFORMATION**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Full text of R-phrases referred to under sections 2 and 3**

No information available

**Legend - SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

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|                            |   |
|----------------------------|---|
| <b>Issue Date</b>          | No information available  |
| <b>Revision Date</b>       | 26-May-2015   |
| <b>Expiration Date</b>     | SDS is valid 3 years from the revision date. Contact info@coleparmer.com for the latest revision. |
| <b>Reason for revision</b> | SDS section(s) updated: 2   |

**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

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**End of Safety Data Sheet**