

Safety Data Sheet

acc. to OSHA HCS

Page 1/7

Printing date 06/10/2015

Reviewed on 06/10/2015

1 Identification

Product identifier

Trade name: **Experion™ Electrode Cleaner**

Catalog or product number: 7007252, 10010528, 10010520, 10040540

Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance / the mixture Laboratory chemicals

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Bio-Rad Laboratories, Life Science Group
2000 Alfred Nobel Drive
Hercules, California 94547

(510)741-1000

Information department:

Technical services, customer support
lsg_techserv_us@bio-rad.com

Emergency telephone number:

1(800)424-9300 Use only in the event of a CHEMICAL EMERGENCY involving a SPILL, LEAK, FIRE, EXPLOSION or ACCIDENT.
510-741-1000

2 Hazard(s) identification

Classification of the substance or mixture

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

Label elements

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS05

Signal word Danger

Hazard-determining components of labeling:

Proprietary Reagent PZ 14

Proprietary Non Ionic Detergent

Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves.

P280 Wear eye protection / face 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.

P310 Immediately call a poison center/doctor.

P362 Take off contaminated clothing and wash before reuse.

P332+P313 If skin irritation occurs: Get medical advice/attention.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Page 2/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: **Experion™ Electrode Cleaner**

(Contd. of page 1)

Additional information: Contact with acids may cause release of toxic gases

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

CAS No. Description:

7732-18-5 water

Identification number(s):

EC number: 231-791-2

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with non-hazardous additions.

Listing of dangerous and non-hazardous components:

Proprietary Reagent PZ 14	2.5-5%
Proprietary Non Ionic Detergent	0.1-1.0%
7732-18-5 water	50-100%

Additional information For the wording of the listed risk phrases refer to section 15.

4 First-aid measures

Description of first aid measures

General information No special measures required.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact Rinse opened eye for several minutes under running water.

After swallowing Induce vomiting and call for medical help.

Information for doctor

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Wear protective clothing.

(Contd. on page 3)

US

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Safety

Safety Data Sheet
acc. to OSHA HCS

Page 3/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: **Experion™ Electrode Cleaner**

(Contd. of page 2)

Environmental precautions:

- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

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

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.

7 Handling and storage

Handling

- Precautions for safe handling** No special measures required.
- Information about protection against explosions and fires:** No special measures required.

Conditions for safe storage, including any incompatibilities

- Storage**
- Requirements to be met by storerooms and receptacles:** According to product specification
- Information about storage in one common storage facility:** Not required.
- Further information about storage conditions:** None.
- Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems:** No further data; see item 7.

Control parameters

Components with limit values that require monitoring at the workplace:

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

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment

- General protective and hygienic measures** Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands: Protective gloves.

Material of gloves Synthetic gloves

Penetration time of glove material

- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Page 4/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: **Experion™ Electrode Cleaner**

(Contd. of page 3)

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

- Form:** Liquid
- Color:** Colorless
- Odor:** Odorless
- Odour threshold:** Not determined.

- pH-value at 20 °C:** 7.4

Change in condition

- Melting point/Melting range:** 0 °C
- Boiling point/Boiling range:** undetermined

- Flash point:** Not applicable

- Flammability (solid, gaseous)** Not applicable.

Ignition temperature:

- Decomposition temperature:** Not determined.

- Auto igniting:** Product is not selfigniting.

- Danger of explosion:** Product does not present an explosion hazard.

Explosion limits:

- Lower:** Not determined.
- Upper:** Not determined.

- Vapor pressure at 20 °C:** 23 hPa

- Density:** Not determined
- Relative density** Not determined.
- Vapour density** Not determined.
- Evaporation rate** Not determined.

Solubility in / Miscibility with

- Water:** Fully miscible

- Partition coefficient (n-octanol/water):** Not determined.

Viscosity:

- dynamic:** Not determined.
- kinematic:** Not determined.

Solvent content:

- Organic solvents:** 0.0 %
- Water:** 95.5 %

- Solids content:** 97.0 %

- Other information** No further relevant information available.

(Contd. on page 5)

Safety Data Sheet
 acc. to OSHA HCS

Page 5/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: Experion™ Electrode Cleaner

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong caustic effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

- **Carcinogenic categories**

• IARC (International Agency for Research on Cancer)	
Proprietary Reagent PZ 14	3
• NTP (National Toxicology Program)	
None of the ingredients is listed.	
• OSHA-Ca (Occupational Safety & Health Administration)	
None of the ingredients is listed.	

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

(Contd. on page 6)

Safety Data Sheet
 acc. to OSHA HCS

Page 6/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: Experion™ Electrode Cleaner

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
- Hand over to hazardous waste disposers.
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

• UN-Number	Void
• ADR, ADN, IMDG, IATA	Void
• UN proper shipping name	Void
• ADR, ADN, IMDG, IATA	Void
• Transport hazard class(es)	
• ADR, ADN, IMDG, IATA	Void
• Class	Void
• Packing group	Void
• ADR, IMDG, IATA	Void
• Environmental hazards:	No
• Marine pollutant:	No
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)**

• Section 302/304 (40CFR355.30 / 40CFR355.40):	
Proprietary Reagent PZ 14	
• Section 313 (40CFR372.65):	
None of the ingredients is listed.	
• TSCA (Toxic Substances Control Act):	
Proprietary Reagent PZ 14	
7647-14-5	sodium chloride
7732-18-5	water

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Page 7/7

Printing date 06/10/2015

Reviewed on 06/10/2015

Trade name: Experion™ Electrode Cleaner

(Contd. of page 6)

• **Carcinogenic categories**

• EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
• TLV (Threshold Limit Value established by ACGIH)	
Proprietary Reagent PZ 14	A3
• MAK (German Maximum Workplace Concentration)	
None of the ingredients is listed.	
• NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	

• **National regulations**

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• **Department Issuing SDS:** Environmental Health and Safety.

• **Contact:**

Life Science Group, Environmental Health and Safety, 2000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 741-1000

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000

• **Date of preparation / last revision** 06/10/2015 / -

• **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

• **Data compared to the previous version altered.**