

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/10/2015

Page 1/7

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
- 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

(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)

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Safety Data Sheet
acc. to OSHA HCS

Page 2/7

Reviewed on 06/10/2015

(Contd. of page 1)

Printing date 06/10/2015

Trade name: Experion™ Electrode Cleaner

- 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)

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JAN 17 2017

Safety

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/10/2015

Trade name: Experion™ Electrode Cleaner

Page 3/7

Reviewed on 06/10/2015

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.

(Contd. of page 2)

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

Printing date 06/10/2015

Trade name: Experion™ Electrode Cleaner

Page 4/7

Reviewed on 06/10/2015

(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.

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(Contd. on page 5)



Safety Data Sheet
acc. to OSHA HCS

Printing date 06/10/2015

Trade name: Experion™ Electrode Cleaner

Page 5/7

Reviewed on 06/10/2015

(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

Reviewed on 06/10/2015

(Contd. of page 5)

Printing date 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:	
• Marine pollutant:	No
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 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)

us



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.

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