

**Safety Data Sheet**  
 acc. to OSHA HCS

Printing date 06/11/2015

Reviewed on 06/10/2015

**1 Identification**

- **Product Identifier**
- **Trade name:** Experion™ DNA 12K Gel
- **Catalog or product number:** 10006160, 10006327
- **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**  
The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **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:** Mixtures
- **Description:** Mixture of the substances listed below with non-hazardous additions.

**Listing of dangerous and non-hazardous components:**

7732-18-5	water	50-100%
29915-38-6	3-(tris(hydroxymethyl)methyl)amino)propane-1-sulphonic acid	2.5-5%
	Proprietary Reagent PZ 1	1.0-2.5%

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

(Contd. on page 2)

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**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 2/7

Reviewed on 06/10/2015

(Contd. of page 1)

**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** CO<sub>2</sub>, 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.
- **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.

(Contd. on page 3)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 3/7

Reviewed on 06/10/2015

(Contd. of page 2)

- **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** The usual precautionary measures for handling chemicals should be followed.
- **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

**9 Physical and chemical properties**

• <b>Information on basic physical and chemical properties</b>	
• <b>General Information</b>	
• <b>Appearance:</b>	
• <b>Form:</b>	Liquid
• <b>Color:</b>	Colorless
• <b>Odor:</b>	Odorless
• <b>Odour threshold:</b>	Not determined.
• <b>pH-value at 20 °C:</b>	8
• <b>Change in condition</b>	
• <b>Melting point/Melting range:</b>	undetermined
• <b>Boiling point/Boiling range:</b>	undetermined
• <b>Flash point:</b>	Not applicable
• <b>Flammability (solid, gaseous)</b>	Not applicable.
• <b>Ignition temperature:</b>	
• <b>Decomposition temperature:</b>	Not determined.
• <b>Auto Igniting:</b>	Product is not selfigniting.
• <b>Danger of explosion:</b>	Product does not present an explosion hazard.
• <b>Explosion limits:</b>	
• <b>Lower:</b>	Not determined.
• <b>Upper:</b>	Not determined.

(Contd. on page 4)

- US



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 4/7

Reviewed on 06/10/2015

(Contd. of page 3)	
· <b>Vapor pressure at 20 °C:</b>	23 hPa
· <b>Density:</b>	Not determined
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with Water:</b>	Fully miscible
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b> · <b>dynamic:</b>	Not determined.
· <b>kinematic:</b>	Not determined.
· <b>Solvent content:</b> · <b>Organic solvents:</b>	0.0 %
· <b>Water:</b>	99.9 %
· <b>Solids content:</b>	4.9 %
· <b>Other information</b>	No further relevant information available.

## 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: No irritant effect.

· on the eye: No irritant effect.

· Sensitization: No sensitizing effects known.

#### · Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

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

#### · Carcinogenic categories

#### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

(Contd. on page 5)

-15-



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 5/7

Reviewed on 06/10/2015

(Contd. of page 4)	
· <b>NTP (National Toxicology Program)</b>	None of the ingredients is listed.
· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>	None of the ingredients is listed.
· <b>Target organs:</b>	Not applicable.

## 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 2 (Self-assessment): hazardous for water.
- Do not allow product to reach ground water, water course or sewage system.
- Danger: drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Hand over to hazardous waste disposers.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

· <b>UN-Number</b>	Void
· <b>UN proper shipping name</b>	Void
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	Void
· <b>DOT, ADR, ADN, IMDG, IATA</b>	Void
· <b>Class</b>	Void
· <b>Packing group</b>	Void
· <b>DOT, ADR, IMDG, IATA</b>	Void

(Contd. on page 6)

-15-



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 6/7

Reviewed on 06/10/2015

(Contd. of page 5)	
<b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	

**15 Regulatory information**

· <b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
· <b>SARA (Superfund Amendments and Reauthorization Act of 1986 - USA)</b>	
· <b>Section 302/304 (40CFR355.30 / 40CFR355.40):</b>	None of the ingredients is listed.
· <b>Section 313 (40CFR372.65):</b>	None of the ingredients is listed.
· <b>TSCA (Toxic Substances Control Act):</b>	
7732-18-5	water
29915-38-6	3-(tris(hydroxymethyl)methylamino)propane-1-sulphonic acid
	Proprietary Reagent PZ 1
· <b>Carcinogenic categories</b>	
· <b>EPA (Environmental Protection Agency)</b>	None of the ingredients is listed.
· <b>TLV (Threshold Limit Value established by ACGIH)</b>	None of the ingredients is listed.
· <b>MAK (German Maximum Workplace Concentration)</b>	None of the ingredients is listed.
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b>	None of the ingredients is listed.
· <b>National regulations</b>	
· <b>Water hazard class:</b>	Water hazard class 2 (Self-assessment): hazardous for water.
· <b>Chemical safety assessment:</b>	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

(Contd. on page 7)



**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 06/11/2015

Trade name: Experion™ DNA 12K Gel

Page 7/7

Reviewed on 06/10/2015

(Contd. of page 6)

Diagnostic Group, Environmental Health and Safety, 4000 Alfred Nobel Drive, Hercules, California, 94547: 1(510) 724-7000  
· **Date of preparation / last revision** 06/11/2015 / -

· **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  
DOT: US Department of Transportation  
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)  
\* Data compared to the previous version altered.

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