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

- 1.1 Product identifier
  - Trade name: AG® 501-X8(D) Mixed Bed Resin
  - Article number: 1426425, 1426427, 1426425EDU, 1436425, 1436427, 1437425

- 1.2 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

- 1.3 Details of the supplier of the safety data sheet
  - Manufacturer/Supplier: Bio-Rad Laboratories S.A.-N.V.
    Begoniastraat 5
    B-9810 Nazareth-Eke
    Belgium
    e:mail contact: techsupport.belgium@bio-rad.com
  - Information department: Technical services, customer support.
    techsupport.belgium@bio-rad.com
  - 1.4 Emergency telephone number: 09-385-5511

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.

- 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

- 3.2 Chemical characterisation: Mixtures
  - Description: Mixture of the substances listed below with nonhazardous additions.
  - Dangerous components: Void
  - Additional information: For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 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.
Trade name: AG® 501-X8(D) Mixed Bed Resin

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
- CO2, extinguishing 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
Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective clothing.
6.2 Environmental precautions: No special measures required.
6.3 Methods and material for containment and cleaning up: Pick up mechanically.
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.
Information about protection against explosions and fires: No special measures required.
7.2 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.
7.3 Specific end use(s)  No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.
8.1 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.
### 8.2 Exposure controls
- **Personal protective equipment**
- **General protective and hygienic measures**
  The usual precautionary measures should be adhered to when handling chemicals.
- **Protection of hands**: Protective gloves.
- **Material of gloves**: Synthetic gloves
- **Penetration time of glove material**
  The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection**: Safety glasses

### SECTION 9: Physical and chemical properties

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

- **Appearance**: Solid.
- **Form**: Solid.
- **Colour**: Blue.
- **Odour**: Odourless.
- **Odour threshold**: Not determined.
- **pH-value**: Not applicable.

- **Change in condition**
  - **Melting point/Melting range**: Undetermined.
  - **Boiling point/Boiling range**: Undetermined.
- **Flash point**: Not applicable.
- **Flammability (solid, gaseous)**: Not determined.
- **Ignition temperature**: 
  - **Decomposition temperature**: Not determined.
  - **Self igniting**: Product is not selfigniting.
- **Danger of explosion**: Product does not present an explosion hazard.

- **Explosion limits**:
  - **Lower**: Not determined.
  - **Upper**: Not determined.
- **Vapour pressure**: Not applicable.
- **Density**: Not determined.
- **Relative density**: Not determined.
- **Vapour density**: Not applicable.
- **Evaporation rate**: Not applicable.

- **Solubility in / Miscibility with Water**: Fully miscible.
- **Partition coefficient (n-octanol/water)**: Not determined.
- **Viscosity**:
  - **Dynamic**: Not applicable.
SECTION 10: Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** 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

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** No irritating effect.
  - **Sensitisation:** No sensitising 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.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic 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.
- **Additional ecological information:**
  - **General notes:** Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
### SECTION 13: Disposal considerations

- **13.1 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.

### SECTION 14: Transport information

- **14.1 UN-Number**
  - ADR, ADN, IMDG, IATA
  - **Void**

- **14.2 UN proper shipping name**
  - ADR, ADN, IMDG, IATA
  - **Void**

- **14.3 Transport hazard class(es)**
  - ADR, ADN, IMDG, IATA
  - **Class**
  - **Void**

- **14.4 Packing group**
  - ADR, IMDG, IATA
  - **Void**

- **14.5 Environmental hazards:**
  - **Marine pollutant:**
  - **No**

- **14.6 Special precautions for user**
  - **Not applicable.**

- **14.7 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.

- **UN "Model Regulation":**
  - **-**

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **National regulations**
  - **Water hazard class:** Generally not hazardous for water.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.
Trade name: AG® 501-X8(D) Mixed Bed Resin

· **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

· **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
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  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.*