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

1.1 Product identifier
- Trade name: Goat anti-Rabbit IgG StarBright™ Blue 700
- Article number: 12004160, 12004161, 12004162, 12004637, 12004638

1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture: Laboratory chemicals

1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier: Bio-Rad Laboratories Ltd.
  Bio-Rad House
  Maxted Road
  Hemel Hempstead,
  Herts HP2 7DX
  United Kingdom
  phone: 0800 181134  fax: 020-8328-2550
  e:mail contact: techsupport.uk@bio-rad.com
- Information department: Technical services, customer support.
  techsupport.uk@bio-rad.com
- Emergency telephone number: 020-8328-2000

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
- Additional information: Contains 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

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.

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Description</th>
<th>Community workplace exposure limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>57-50-1</td>
<td>200-334-9</td>
<td>sucrose, pure</td>
<td>substance with a Community workplace exposure limit</td>
</tr>
<tr>
<td>7647-14-5</td>
<td>231-598-3</td>
<td>sodium chloride</td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2, H319</td>
</tr>
</tbody>
</table>

(Contd. on page 2)
Trade name: Goat anti-Rabbit IgG StarBright™ Blue 700

· Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures
  · After inhalation Supply fresh air; consult doctor in case of complaints.
  · After eye contact Rinse opened eye for several minutes under running water.
  · After swallowing Induce vomiting and call for medical help.
· 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 Use fire fighting measures that suit the environment.
· 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: Do not allow to enter sewers/ surface or ground water.
· 6.3 Methods and material for containment and cleaning up: Pick up mechanically.
· 6.4 Reference to other sections
  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 precautions are necessary if used correctly.
· 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.

(Contd. on page 3)
Trade name: Goat anti-Rabbit IgG StarBright™ Blue 700

8.1 Control parameters
- Components with limit values that require monitoring at the workplace:
  - 57-50-1 sucrose, pure
    - Short-term value: 20 mg/m³
    - Long-term value: 10 mg/m³
- 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
- General Information
  - Appearance:
    - Form: Solid.
    - Colour: Dark brown
    - Odour: Odourless
    - Odour threshold: Not determined.
  - pH-value at 20 °C: 7.8
- Change in condition
  - Melting point/freezing point: undetermined
  - Initial boiling point and boiling range: 1.461 °C
- Flash point: Not applicable
- Flammability (solid, gaseous): Not determined.
- Ignition temperature:
  - Decomposition temperature: Not determined.
- Self igniting: Product is not selfigniting.
- Explosive properties: 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.
Trade name: Goat anti-Rabbit IgG StarBright™ Blue 700

- **Evaporation rate**: Not applicable.
- **Solubility in / Miscibility with Water**: Soluble
- **Partition coefficient: n-octanol/water**: Not determined.
- **Viscosity**: *dynamic*: Not applicable. *kinematic*: Not applicable.
- **Solvent content**: *Organic solvents*: 0.0 %
- **9.2 Other information**: No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity**: No further relevant information available.
- **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**: Based on available data, the classification criteria are not met.
  - **Primary irritant effect**: Based on available data, the classification criteria are not met.
  - **Skin corrosion/irritation**: Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation**: Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation**: Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity**: Based on available data, the classification criteria are not met.
    - **Carcinogenicity**: Based on available data, the classification criteria are not met.
    - **Reproductive toxicity**: Based on available data, the classification criteria are not met.
    - **STOT-single exposure**: Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure**: Based on available data, the classification criteria are not met.
    - **Aspiration hazard**: Based on available data, the classification criteria are not met.

### 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.
Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.02.2017
Revision: 12.02.2017

Trade name: Goat anti-Rabbit IgG StarBright™ Blue 700

- 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.
- 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 Dispose of waste in accordance to applicable national, regional, or local regulations.
-  Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

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:
  - Not applicable.
- 14.6 Special precautions for user
  - Not applicable.
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.
- UN "Model Regulation": Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - National regulations
  - Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

(Contd. on page 6)
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.

- Relevant phrases
  H315 Causes skin irritation.
  H319 Causes serious eye irritation.

- 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

- 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)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Irrit. 2: Serious eye damage/eye irritation – Category 2