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

1.1 Product identifier
- Trade name: LBIS Mouse anti-dsDNA ELISA Kit / Chromogen (TMB)
- Article number: 637-02691_E
- Registration number
Registration numbers of the individual components: see section 3.2, if applicable.

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

Application of the substance / the preparation: Laboratory chemicals

Uses advised against
Only for professional use.
Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
FUJIFILM Wako Chemicals Europe GmbH
Fuggerstr. 12
41468 Neuss
Deutschland
Tel: +49 (0) 2131-311-0
Fax: +49 (0) 2131-311 100

Further information obtainable from: msds_eu@fujifilm.com

1.4 Emergency telephone number: +49 (0) 2131-311-0 (8h-16h)

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 GB CLP regulation.

2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Not applicable
- Hazard pictograms Not applicable
- Signal word Not applicable
- Hazard statements Not applicable

2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components: Not applicable
- Additional information: For the wording of the listed hazard phrases refer to section 16.

(Cont. on page 2)
SECTION 4: First aid measures

4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

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, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: None.

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.
- Additional information
  Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Not required.

6.2 Environmental precautions
Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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 measures required.

7.2 Information about fire - and explosion protection
No special measures required.
7.2 Conditions for safe storage, including any incompatibilities

- **Storage:**
  - **Requirements to be met by storerooms and receptacles:**
    Store only in the original receptacle.
    Store in cool, dry conditions in well sealed receptacles.
  - **Information about storage in one common storage facility:** Store away from foodstuffs.
  - **Further information about storage conditions:** Protect from frost.
  - **Storage class:** 12

7.3 Specific end use(s)
No further relevant information available.

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**SECTION 8: Exposure controls/personal protection**

8.1 Control parameters
- **Additional information about design of technical facilities:** No further data; see item 7.

- **Ingredients 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 valid during the making were used as basis.

8.2 Exposure controls
- **General protective and hygienic measures:**
  Wash hands before breaks and at the end of work.
  Do not eat, drink, smoke or sniff while working.
  Storing food in the working area is prohibited.

- **Respiratory protection:** Not necessary if room is well-ventilated.

- **Protection of hands:**

  ![Protective gloves]

  The protective gloves to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN 374.

- **Eye protection:**

  ![Safety glasses]

  The protective safety glasses to be used must comply with the specifications of the EC directive 89/686/EEC and the resultant standard EN166.

- **Body protection:** Protective work clothing
SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:** Liquid
    - **Colour:** According to product specification
    - **Odour:** Mild
    - **Odour threshold:** Not determined.
  - **pH-value at 20 °C:** 3.3-3.8
  - **Change in condition**
    - **Melting point/freezing point:** Undetermined.
    - **Initial boiling point and boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Flammability (solid, gas):** Not applicable.
  - **Ignition temperature:** Not determined.
  - **Decomposition temperature:** Not determined.
  - **Auto-ignition temperature:** Product is not self-igniting.
  - **Explosive properties:** Not determined.
  - **Explosion limits:**
    - **Lower:** Not determined.
    - **Upper:** Not determined.
  - **Vapour pressure:** Not determined.
  - **Density:**
    - **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.
  - **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.
Safety data sheet
according to 1907/2006/EC, Article 31

Trade name: LBIS Mouse anti-dsDNA ELISA Kit / Chromogen (TMB)

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:
  - 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.
- Additional toxicological information:
  - 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.
- Persistence and degradability: No further relevant information available.
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Not hazardous for water.
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
- Recommendation: Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.
### SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN-Number</th>
<th>ADR, IMDG, IATA</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>ADR, IMDG, IATA</td>
<td>Not applicable</td>
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<tr>
<td>14.3 Transport hazard class(es)</td>
<td>ADR, ADN, IMDG, IATA</td>
<td>Not applicable</td>
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<tr>
<td>Class</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>ADR, IMDG, IATA</td>
<td>Not applicable</td>
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<tr>
<td>14.5 Environmental hazards:</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>14.6 Special precautions for user</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</td>
<td></td>
<td>Not applicable.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td></td>
<td>Not applicable</td>
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</table>

### SECTION 15: Regulatory information

<table>
<thead>
<tr>
<th>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>Directive 2012/18/EU</td>
</tr>
<tr>
<td>Named dangerous substances - ANNEX I None of the ingredients is listed.</td>
</tr>
<tr>
<td>15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Creation Date</th>
<th>05.07.2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abbreviations and acronyms:</td>
<td></td>
</tr>
<tr>
<td>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)</td>
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<tr>
<td>IMDG: International Maritime Code for Dangerous Goods</td>
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<tr>
<td>IATA: International Air Transport Association</td>
<td></td>
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<tr>
<td>GHS: Globally Harmonised System of Classification and Labelling of Chemicals</td>
<td></td>
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<tr>
<td>EINECS: European Inventory of Existing Commercial Chemical Substances</td>
<td></td>
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<tr>
<td>ELINCS: European List of Notified Chemical Substances</td>
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<tr>
<td>CAS: Chemical Abstracts Service (division of the American Chemical Society)</td>
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</tr>
<tr>
<td>PBT: Persistent, Bioaccumulative and Toxic</td>
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<tr>
<td>vPvB: very Persistent and very Bioaccumulative</td>
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</tbody>
</table>

* Data modified compared to previous version.