# SAFETY DATA SHEET
## Lightning-Link® Rapid Atto 700

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. **Product identifier**

<table>
<thead>
<tr>
<th>Product name</th>
<th>Lightning-Link® Rapid Atto 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product No.</td>
<td>354</td>
</tr>
</tbody>
</table>

1.2. **Relevant identified uses of the substance or mixture and uses advised against**

| Identified uses   | Chemical reagent               |

1.3. **Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Innova Biosciences Ltd.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Babraham Hall</td>
</tr>
<tr>
<td></td>
<td>Babraham</td>
</tr>
<tr>
<td></td>
<td>Cambridge</td>
</tr>
<tr>
<td></td>
<td>CB22 3AT</td>
</tr>
<tr>
<td></td>
<td>Tel. +44(0) 1223 496170</td>
</tr>
<tr>
<td></td>
<td>Fax. +44(0) 1223 496172</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:info@innovabiosciences.com">info@innovabiosciences.com</a></td>
</tr>
</tbody>
</table>

1.4. **Emergency telephone number**

+44 (0) 1223 496170 (Mon-Fri, 09:00-17:00, UK Time)

### SECTION 2: HAZARDS IDENTIFICATION

2.1. **Classification of the substance or mixture**

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Physical and Chemical Hazards</th>
<th>Not classified.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Human health</td>
<td>Not classified.</td>
</tr>
<tr>
<td></td>
<td>Environment</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>

**Classification (1999/45/EEC)**  
Not classified.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

2.2. **Label elements**

**Label In Accordance With (EC) No. 1272/2008**

No pictogram required.

2.3. **Other hazards**

This product does not contain any PBT or vPvB substances.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. **Mixtures**

**Composition Comments**

This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits. None of the ingredients are required to be listed.

### SECTION 4: FIRST AID MEASURES

4.1. **Description of first aid measures**

**Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion
Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

Skin contact
Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation
No specific symptoms noted.

Ingestion
No specific symptoms noted.

Skin contact
No specific symptoms noted.

Eye contact
No specific symptoms noted.

4.3. Indication of any immediate medical attention and special treatment needed
No specific first aid measures noted. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Extinguishing media
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products
There are no anticipated hazardous decomposition products associated with this material.

Unusual Fire & Explosion Hazards
No unusual fire or explosion hazards noted.

5.3. Advice for firefighters
Special Fire Fighting Procedures
No specific fire fighting procedure given.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
For personal protection, see section 8.

6.2. Environmental precautions
Not relevant considering the small amounts used.

6.3. Methods and material for containment and cleaning up
Non-hazardous substance.

6.4. Reference to other sections
For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
No specific usage precautions noted. Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities
Store at -20°C

7.3. Specific end use(s)
The identified uses for this product are detailed in Section 1.2.
8.1. Control parameters

Ingredient Comments
No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment

Engineering measures
No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

Respiratory equipment
No specific recommendations.

Hand protection
No specific hand protection noted, but gloves may still be advisable.

Eye protection
Wear approved chemical safety goggles where eye exposure is reasonably probable.

Hygiene measures
When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance
Freeze dried solid

Colour
Turquoise.

Odour
Odourless.

Solubility
Soluble in water.

Initial boiling point and boiling range (°C)
No information required.

Melting point (°C)
No information required.

Relative density
Not relevant

Vapour density (air=1)
Not applicable.

Vapour pressure
Not applicable.

Evaporation rate
Not applicable.

pH-Value, Conc. Solution
Not applicable.

Viscosity
Not applicable.

Solubility Value (G/100G H2O@20°C)
Not available.

Decomposition temperature (°C)
Not available.

Odour Threshold, Lower
Not applicable.

Flash point (°C)
Not applicable.

Auto Ignition Temperature (°C)
Not applicable.
Lightning-Link® Rapid Atto 700

9.2. Other information

No further information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

There are no known conditions that are likely to result in a hazardous situation.

10.5. Incompatible materials

Materials To Avoid

No specific or groups of materials are likely to react to produce a hazardous situation.

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information

Not relevant

Inhalation

Dust in high concentrations may irritate the respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin contact

Powder may irritate skin.

Eye contact

Particles in the eyes may cause irritation and smarting.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

12.1. Toxicity

Not applicable.
12.2. Persistence and degradability
Degradability
There are no data on the degradability of this product.

12.3. Bioaccumulative potential
Bioaccumulative potential
No data available on bioaccumulation.
Partition coefficient
Not available.

12.4. Mobility in soil
Mobility:
The product is soluble in water.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements.

SECTION 14: TRANSPORT INFORMATION

| Road Transport Notes | Not Classified |
| Rail Transport Notes  | Not classified. |
| Sea Transport Notes   | Not classified. |
| Air Transport Notes   | Not classified. |

14.1. UN number
Not classified for transportation.

14.2. UN proper shipping name
Not classified for transportation.

14.3. Transport hazard class(es)
Not classified for transportation.

14.4. Packing group
Not classified for transportation.

14.5. Environmental hazards
Environmentally Hazardous Substance/Marine Pollutant
No.

14.6. Special precautions for user
Not classified for transportation.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

SECTION 15: REGULATORY INFORMATION
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Approved Code Of Practice

Safety Data Sheets for Substances and Preparations.

EU Legislation


15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

| Revision Date | 19/10/2012 |
| Revision      | 2          |
| Supersedes date | 30/08/2012 |

Risk Phrases In Full

NC Not classified.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.