SAFETY DATA SHEET
Lightning-Link® Modifier

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

1.1. Product identifier

Product name          Lightning-Link® Modifier
Product No.            790-0001

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

Supplier               Innova Biosciences Ltd.
                        Babraham Hall
                        Babraham
                        Cambridge
                        CB22 3AT
                        Tel. +44(0) 1223 496170
                        Fax. +44(0) 1223 496172
                        info@innovabiosciences.com

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

Classification (EC 1272/2008)

Physical and Chemical Hazards: Not classified.
Human health: Not classified.
Environment: Not classified.

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

None of the ingredients are required to be listed. No classified ingredients, or those having occupational exposure limits, present above
the levels of disclosure.

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 or + 4°C

7.3. Specific end use(s)
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Odourless</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>pH-Value, Conc. Solution</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Odour Threshold, Lower</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>
Auto Ignition Temperature (°C)
Not applicable.

Flammability Limit - Lower(%) 
Not applicable.

Flammability Limit - Upper(%) 
Not applicable.

Partition Coefficient 
(N-Octanol/Water)
Not available.

Explosive properties 
Not available.

Oxidising properties 
Not available.

9.2. Other information
No 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
May be harmful if inhaled. May cause irritation to the respiratory system.

Ingestion
May be harmful if swallowed

Skin contact
May cause skin irritation/eczema.

Eye contact
May cause temporary eye irritation.

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

<table>
<thead>
<tr>
<th>Road Transport Notes</th>
<th>Rail Transport Notes</th>
<th>Sea Transport Notes</th>
<th>Air Transport Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td>Not classified</td>
<td>Not classified</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

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 16/01/2013
Revision 2
Supersedes date 30/08/2012
Risk Phrases In Full NC
Hazard Statements In Full Not classified.

Disclaimer
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