SAFETY DATA SHEET
Lightning-Link® Modifier

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® Modifier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product number</td>
<td>790-0001</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Identified uses</th>
<th>Chemical reagent</th>
</tr>
</thead>
</table>

1.3. Details of the supplier of the safety data sheet

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Expedeon Ltd.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>25 Norman Way</td>
</tr>
<tr>
<td></td>
<td>Over,</td>
</tr>
<tr>
<td></td>
<td>Cambridge CB24 5QE</td>
</tr>
<tr>
<td></td>
<td>UK: +44 (0)1223 873364</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:info@expedeon.com">info@expedeon.com</a></td>
</tr>
<tr>
<td></td>
<td>US: 1 - 844 - 611 3656</td>
</tr>
</tbody>
</table>

1.4. Emergency telephone number

<table>
<thead>
<tr>
<th>Emergency telephone</th>
<th>UK: +44 (0)1223 873364 9:00-17:00pm GMT (Mon-Fri)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>US: 1 - 844 - 611 3656 8:00-17:00 PST (Mon-Fri)</td>
</tr>
</tbody>
</table>

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

<table>
<thead>
<tr>
<th>Classification (EC 1272/2008)</th>
<th>Physical hazards</th>
<th>Health hazards</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

2.2. Label elements

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>NC Not Classified</th>
</tr>
</thead>
</table>

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Composition comments</th>
<th>None of the ingredients are required to be listed. No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.</th>
</tr>
</thead>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures

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Lightning-Link® Modifier

Inhalation  Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion  Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

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

Eye contact  Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation  No specific symptoms known.

Ingestion  No specific symptoms known.

Skin contact  No specific symptoms known.

Eye contact  No specific symptoms known.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor  No specific recommendations. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media  The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards  No unusual fire or explosion hazards noted.

Hazardous combustion products  No known hazardous decomposition products.

5.3. Advice for firefighters

Protective actions during firefighting  No specific firefighting precautions known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions  For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions  Not considered to be a significant hazard due to the small quantities used.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up  Non-hazardous substance.

6.4. Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions  Store at -20°C or +4°C

7.3. Specific end use(s)
Lightning-Link® Modifier

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

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Ingredient comments  No exposure limits known for ingredient(s).

8.2. Exposure controls

Protective equipment

Appropriate engineering controls  No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection  Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection  No specific hand protection recommended. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

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

Respiratory protection  No specific recommendations.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance  Liquid.

Colour  Colourless.

Odour  Odourless.

Odour threshold  Not applicable.

pH  Not available.

Melting point  Not available.

Initial boiling point and range  Not available.

Flash point  Not applicable.

Evaporation rate  Not available.

Upper/lower flammability or explosive limits  Not applicable. : : Not applicable.

Vapour pressure  Not applicable.

Vapour density  Not applicable.

Relative density  Not available.

Solubility(ies)  Soluble in water.

Partition coefficient  Not available.

Auto-ignition temperature  Not applicable.
Lightning-Link® Modifier

Decomposition Temperature Not available.
Viscosity Not available.
Explosive properties Not available.
Oxidising properties Not available.

9.2. Other information
Other information No information required.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability
Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions
Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid
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 material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products
Hazardous decomposition products Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects Not relevant.

Inhalation May be harmful if inhaled. May cause respiratory system irritation.
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
Toxicity Not applicable.

12.2. Persistence and degradability
Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential
Lightning-Link® Modifier

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
Results of PBT and vPvB assessment: This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects: Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Disposal methods: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

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 MARPOL and the IBC Code
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Lightning-Link® Modifier

EU legislation


Guidance

Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date 16/01/2013
Revision 2

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.