



## SAFETY DATA SHEET

### Lightning-Link® Rapid Alexa Fluor® 488

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

##### 1.1. Product identifier

**Product name** Lightning-Link® Rapid Alexa Fluor® 488

**Product number** 332

##### 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 661000

info@innovabiosciences.com

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1223 661000 (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 hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard statements** NC Not Classified

##### 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

**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

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|                     |                                                                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.                       |
| <b>Ingestion</b>    | Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.                                                                |
| <b>Skin contact</b> | Remove affected person from source of contamination. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.    |
| <b>Eye contact</b>  | 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**

|                     |                             |
|---------------------|-----------------------------|
| <b>Inhalation</b>   | No specific symptoms known. |
| <b>Ingestion</b>    | No specific symptoms known. |
| <b>Skin contact</b> | No specific symptoms known. |
| <b>Eye contact</b>  | No specific symptoms known. |

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

|                             |                                                     |
|-----------------------------|-----------------------------------------------------|
| <b>Notes for the doctor</b> | 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**

|                                      |                                             |
|--------------------------------------|---------------------------------------------|
| <b>Specific hazards</b>              | No unusual fire or explosion hazards noted. |
| <b>Hazardous combustion products</b> | No known hazardous decomposition products.  |

### **5.3. Advice for firefighters**

|                                               |                                             |
|-----------------------------------------------|---------------------------------------------|
| <b>Protective actions during firefighting</b> | No specific firefighting precautions known. |
|-----------------------------------------------|---------------------------------------------|

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

|                             |                                         |
|-----------------------------|-----------------------------------------|
| <b>Personal precautions</b> | For personal protection, see Section 8. |
|-----------------------------|-----------------------------------------|

### **6.2. Environmental precautions**

|                                  |                                                                             |
|----------------------------------|-----------------------------------------------------------------------------|
| <b>Environmental precautions</b> | Not considered to be a significant hazard due to the small quantities used. |
|----------------------------------|-----------------------------------------------------------------------------|

### **6.3. Methods and material for containment and cleaning up**

|                                |                          |
|--------------------------------|--------------------------|
| <b>Methods for cleaning up</b> | Non-hazardous substance. |
|--------------------------------|--------------------------|

### **6.4. Reference to other sections**

|                                    |                                     |
|------------------------------------|-------------------------------------|
| <b>Reference to other sections</b> | For waste disposal, see section 13. |
|------------------------------------|-------------------------------------|

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

|                          |                                                                                |
|--------------------------|--------------------------------------------------------------------------------|
| <b>Usage precautions</b> | No specific recommendations. Avoid spilling. Avoid contact with skin and eyes. |
|--------------------------|--------------------------------------------------------------------------------|

### **7.2. Conditions for safe storage, including any incompatibilities**

|                            |                |
|----------------------------|----------------|
| <b>Storage precautions</b> | Store at -20°C |
|----------------------------|----------------|

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### 7.3. Specific end use(s)

**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

|                                                     |                                     |
|-----------------------------------------------------|-------------------------------------|
| <b>Appearance</b>                                   | Freeze dried solid                  |
| <b>Colour</b>                                       | Yellow.                             |
| <b>Odour</b>                                        | Odourless.                          |
| <b>Odour threshold</b>                              | Not applicable.                     |
| <b>pH</b>                                           | Not applicable.                     |
| <b>Melting point</b>                                | No information required.            |
| <b>Initial boiling point and range</b>              | No information required.            |
| <b>Flash point</b>                                  | Not applicable.                     |
| <b>Evaporation rate</b>                             | Not applicable.                     |
| <b>Upper/lower flammability or explosive limits</b> | Not applicable. : : Not applicable. |
| <b>Vapour pressure</b>                              | Not applicable.                     |
| <b>Vapour density</b>                               | Not applicable.                     |
| <b>Relative density</b>                             | Not relevant.                       |
| <b>Solubility(ies)</b>                              | Not available. Soluble in water.    |
| <b>Partition coefficient</b>                        | Not available.                      |

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**Auto-ignition temperature** Not applicable.

**Decomposition Temperature** Not available.

**Viscosity** Not applicable.

**Explosive properties** Not applicable.

**Oxidising properties** Not applicable.

### 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** 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

**Toxicity** Not applicable.

### 12.2. Persistence and degradability

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

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### 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

**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**

## Lightning-Link® Rapid Alexa Fluor® 488

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

|                       |                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EU legislation</b> | Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).<br>Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). |
| <b>Guidance</b>       | Safety Data Sheets for Substances and Preparations.                                                                                                                                                                                                                                                                                                                                            |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### **SECTION 16: Other information**

|                            |                                                                                                                            |       |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|-------|
| <b>General information</b> | Lightning-Link® is a registered trademark of Innova Biosciences.<br>Fluor® is a registered trademark of Life Technologies. | Alexa |
| <b>Revision date</b>       | 26/04/2017                                                                                                                 |       |
| <b>Revision</b>            | 1                                                                                                                          |       |

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