



# Innova Biosciences

## Material Safety Data Sheet

### Lightning-Link AMCA Conjugation Kit

#### 1. Identification of the Substance/Preparation and the Company

Substance or preparation trade name: Lightning-Link AMCA Conjugation kit  
Unique reference numbers(s): #712  
Company identification: Innova Biosciences Ltd.  
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Babraham  
Cambridge CB22 4AT

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#### 2. Composition/information on ingredients

Name:	CAS No.	Contents:	Symbol	Risk : (R No.)
Component 1	not applicable	By weight 85.8 %	-	R36/37/38
Component 2	not applicable	12.9 %	-	R36/37/38
Component 3	not applicable	1.19 %	-	R36/37/38
Component 4	not applicable	0.09 %	-	R36/37/38

**Composition comments:** Lightning-link AMCA: a lyophilized white powder

#### 3. Hazards Identification

Physical/chemical hazards: not applicable  
Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.  
Potential Acute Health hazards: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant) of inhalation (lung irritant)  
Carcinogenic Effects: CARCINOGENIC EFFECTS: Not available.  
MUTAGENIC EFFECTS: Not available.  
TERATOGENIC EFFECTS: Not available.

Medical Conditions Aggravated by over exposure: Repeated or prolonged exposure is not known to aggravate existing medical conditions

Overexposure/signs/symptoms: Not available

Environment Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

#### 4. First aid measures

Skin contact: Wash with soap and water for at least 15 minutes. Remove contaminated clothing and shoes. If discomfort or irritation develops, seek medical attention.

Eye contact: Check for and remove contact lenses. Flush eyes thoroughly with running water for at least 15 minutes while lifting eyelids. **Seek medical attention immediately.**

Ingestion: Check for and remove dentures. Clear mouth. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. **Call doctor or poison control immediately.** Provide chemical label and MSDS information if possible.

Inhalation: Remove from area of exposure. Seek medical attention if patient shows signs of discomfort or respiratory problems. If breathing becomes difficult, oxygen should be administered.

#### 5. Fire fighting measures

Material may be flammable at high temperatures. It is recommended that firefighters should wear protective gear and self-contained breathing apparatus to limit personal exposure, and select firefighting media appropriate to the other materials involved in the fire.

#### 6. Accidental release measures

Personal precautions: Wear appropriate protective gear; see below under "Exposure control"

Methods for cleaning: Wipe up spill, place in sealed container.  
Spill site should be washed with plenty of water.

Disposal precautions: Dispose of all waste in accordance with local authority regulations.

#### 7. Handling and storage

Handling: This product should be handled only by qualified experienced professionals. Wash thoroughly after handling the material.

Storage: Store at -20°C.  
All components should be stored in tightly closed containers.

#### 8. Exposure control and personal protection

Ingredient name	CAS No.	STD	LT EXP. (8hrs)	ST EXP. (15min)
Component 1	not applicable	n/a	n/a	n/a
Component 2	not applicable	n/a	n/a	n/a
Component 3	not applicable	n/a	n/a	n/a
Component 4	not applicable	n/a	n/a	n/a

Protective equipment: During routine use, wear suitable protective clothing; laboratory coat, gloves and safety glasses. Use face mask to avoid breathing in dust when cleaning up powder spills.

## 9. Physical and chemical properties

Appearance:	Lyophilized white solid
pH:	n/a
Melting point:	n/a
Flashpoint:	n/a
Explosive properties:	n/a
Vapor pressure:	n/a
Relative density:	n/a
Solubility:	soluble in water

## 10. Stability and reactivity

This material is stable for up to 12 months if stored as directed.

Conditions to avoid:	Excessive heat and moisture Incompatible with strong oxidizing agents
Materials to avoid:	none known
Hazardous decomposition products:	none known

## 11. Toxicological information

Toxic dose LD-50:	Not known
Health warnings:	Slightly irritant to skin, lungs and eyes
Other health effects:	Not known

## 12. Ecological information

Environmental hazards – no data available for the product itself

## 13 Disposal Considerations

Dispose of in accordance with local authority guidelines

## 14. Transport information

### Road/Rail:

Road/Rail transport notes: Product not classified as dangerous goods under any transport regulation

### Sea/Air:

Sea/Air transport notes: Product not classified as dangerous goods under any transport regulation

## 15. Regulatory information

**Risk phrases** Not classified

**Safety phrases** Not classified

**EC Directives** Not classified

**US regulations** Not found

(TSCA, SARA 302/304/311/312, SARA 313, CWA 307, CWA 311, CAA 112)

## 16. Other Information

**Revision date:** 29<sup>th</sup> October 2009

Replaces SDS issued: n/a (first copy)

*This information is based solely on data provided by suppliers of the materials used and/or recognized technical sources, not on the mixture itself and is believed to be correct as of this date.  
No warranty is expressed or implied regarding the accuracy of the data.*