



Innova Biosciences

Material Safety Data Sheet

Lightning-Link Alkaline Phosphatase Conjugation Kit

1. Identification of the Substance/Preparation and the Company

Substance or preparation trade name: Lightning-Link AP Conjugation Kit
Unique reference numbers(s): #702
Company identification: Innova Biosciences Ltd.
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2. Composition/information on ingredients

Name:	CAS No.	Contents: By weight	Symbol	Risk : (R No.)
Alkaline Phosphatase	9001-78-9	<5 %	-	R36/37/38
Component 1	not applicable	93 %	-	R36/37/38
Component 2	not applicable	0.1 %	-	R36/37/38
Component 3	not applicable	2.0 %	-	R36/37/38

Composition comments: 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

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)
Alkaline Phosphatase	9001-78-9	n/a	n/a	n/a
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

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
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:	none 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:	18 th June. 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.*