

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

Product:  Firefly Luciferase (recombinant, thermostable) LA-11, (10mg luciferase) LA-12, (100mg luciferase)  Intended use: Biochemical analysis.	Supplier:  BioThema AB Stationsvägen 17 S-136 40 Handen SWEDEN  tel: +46 8 777 00 20 fax: +46 8 777 00 21 info@biothema.com
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS-number / EG-number	%	Index	Risk phrases
Luciferase	61970-00-1 / 263-359-4	≥ 60 %	-	-
Tris succinate	84540-64-7 / 2831590	≤ 25 %	-	R-36/37/37 S-26/36

### 3. HAZARD(S) IDENTIFICATION

Tris succinate is irritating to eyes, respiratory system and skin.

### 4. FIRST-AID MEASURES

General statement:

Show this document to the physician on call.

After inhalation:

Supply fresh air. If required, provide artificial respiration.

After skin contact:

Wash thoroughly with soap and water. Remove and wash contaminated clothing.

After eye contact:

Keep eyelids apart and rinse with plenty of water for at least 15 minutes. If irritation remains, see a doctor.

If swallowed:

Drink a couple of glasses of milk or water. If bigger volumes have been swallowed, see a doctor.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents:

Water, carbon dioxide, extinguishing powder, foam. Choose agent depending on surroundings.

Special safety equipment:

Use fresh air mask and protective clothing.

### 6. ACCIDENTAL RELEASE MEASURES

Use safety gloves.

Avoid contact with skin and eyes. Clean up with a wet cloth. Flush to sewer with water. Clean contaminated areas.

### 7. HANDLING AND STORAGE

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Handling:

Avoid contact with skin and eyes.

Storage:

Store well enclosed in a freezer at -18°C or lower.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Use safety gloves and goggles.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	powder
Colour:	greyish
Odour:	none
Soluble in water:	yes
pH:	-

## 10. STABILITY AND REACTIVITY

Stable.

## 11. TOXICOLOGICAL INFORMATION

The toxicological properties have not been fully investigated.  
Like any protein, the substance may cause an allergic reaction in oversensitive individuals.  
Tris succinate is irritating to eyes, upper respiratory tract and skin. May be harmful if swallowed.

## 12. ECOLOGICAL INFORMATION

N/A

## 13. DISPOSAL CONSIDERATIONS

Unused substance can be flushed to the sewer with water.  
Wash the empty bottle and consult local regulations for proper disposal.

## 14. TRANSPORT INFORMATION

Not classified as hazardous goods for land-, sea- or air transport.

## 15. REGULATORY INFORMATION

Irritant.

R-Phrases: 36/37/38. Irritating to eyes, respiratory tract and skin.

S-Phrases: 26/36. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

## 16. OTHER INFORMATION

We believe this information to be true but would like to point out that this MSDS only is to be considered as a guideline and as a supplement to other information. For a correct use of the product, please read Instructions for Use (if applicable).

BioThema AB cannot be held responsible for any damages caused by the use or misuse of this product. Please note that the product is for research only.