

CHRONO-LOG CORPORATION

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SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product identifier

Product name: CHRONO-LUME

Product Number: 395

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

Identified uses : For quantitation of ATP Release

1.3. Details of the supplier of the safety data sheet

Company : Chrono-log Corp
2 West Park Road
Havertown, PA 19083
USA

Telephone : 610-853-1130

Email: chronolog@chronolog.com

1.4 Emergency telephone number

Emergency Phone # : 610-853-1130

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Main hazards: No Significant Hazard

2.2. Label elements

Risk phrases: No Significant Hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms: Luciferin-Luciferase

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Albumin, Human		70024-90-7			1 - 10%		
Magnesium Sulfate		7487-88-9			1 - 10%		
Luciferase		61970-00-1			0 - 0.5%		
Luciferin		2591-17-5			0 - 0.5%		
EDTA (ED4SS)		10378-23-1			0 - 0.5%		

Further information

No substance is present at a concentration level, specified by EC Directive, which presents a health or environmental hazard.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Eye contact:	May cause irritation to eyes. Rinse immediately with plenty of water.
Skin contact:	May cause irritation to skin. Wash with soap and water.
Ingestion:	May cause irritation.

General information

If you feel unwell, seek medical advice (show the label where possible).

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Alcohol resistant foam. Carbon dioxide (CO₂). Dry chemical. Water spray.

5.2. Special hazards arising from the substance or mixture

Carbon oxides. Nitrogen oxides. Sulphur oxides.

5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing dust/fume/gas/mist/vapours/spray.

6.2. Environmental precautions

Non hazardous.

6.3. Methods and material for containment and cleaning up

Collect spilled liquid with absorbent material and place in a container for suitable disposal.

7. HANDLING AND STORAGE

7.2. Conditions for safe storage, including any incompatibilities

Store at temperatures below -10 °C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no substance with occupational exposure limit values.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No Significant Hazard. Avoid breathing dust/fume/gas/mist/vapors/spray.

8.2.2 Personal protective equipment

Eye / face protection: In case of splashing, wear: Safety glasses.

Skin protection -

Hand protection: Wear suitable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Powder

Color: Off white

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

No data available.

12. ECOLOGICAL INFORMATION

Further information

No data is available on this product.

13. DISPOSAL CONSIDERATIONS

Further information

Disposal should be made in accordance with local and national regulations.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

This SDS is prepared according to 29 CFR 1910.1200.

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chrono-log Corp. shall not be held liable for any damage resulting from handling or from contact with the above product.