

# Camlab Limited – Material Safety Data Sheet


## 1. Identification

Product Code CC/3262-AA

Product Name **LUMINOL**  
(3-Aminophthalhydrazide)

CAS Number 521-31-3

Supplier: **CAMLAB LIMITED**  
**Norman Way Industrial Estate**  
**Over**  
**Cambridge**  
**England**  
**CB4 5WE**



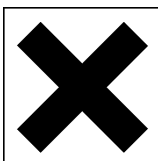
Phone 01954 233110  
Fax 01954 233101

Emergency Telephone 08:00-17:00 01954 233110  
24hr 112  
(Have this document to hand)

## 2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
Luminol	521-31-3	208-309-4	98.0%	Xi : R36/37/38	N/A

## 3. Hazards Identification



Irritating to eyes, respiratory system and skin.

## 4. First Aid Measures

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use.

Inhalation Remove from exposure.

Ingestion If conscious give plenty of water to drink. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION URGENTLY.

## 5. Fire Fighting Measures

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire. Mixtures with combustible materials are flammable.

Extinguishing Media Water spray.

Unsuitable Media Nothing specified.

## 6. Accidental Release Measures

Personal Protection Presents no major hazards.

## 6. Accidental Release Measures (continued)

Environmental	Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions	Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.  No specific precautions.
Storage Conditions	Well ventilated, cool, dry storage . Store in a suitable area for oxidising agents. Keep well separated from combustibile materials.

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

Respiratory	If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	Pale yellow powder.
Odour	No specific odour.
pH	Not available
Boiling point	Not available
Melting point	300.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	Not available
Water Solubility	Insoluble in water.

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions
Conditions to Avoid	No specific conditions.
Materials to Avoid	Strong oxidising agents. Mineral acids. Reducing agents.
Hazardous Decomposition Products	Not flammable but will assist a fire, producing irritant and toxic fumes of oxides of nitrogen.

## 11. Toxicological Information

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	The solid and solutions may be irritating to the skin.
LD50 Skin	Not available
Ingest	Presents no significant hazard by ingestion.

## 11. Toxicological Information (continued)

LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	

## 12. Ecological

Low levels are readily bio-degraded in the environment. Higher levels are toxic to marine and plant life.

## 13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste.
Contaminated Packaging	Wash out containers with water.

## 14. Transport Information

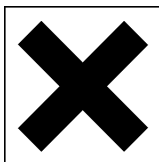
Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

## 15. Regulatory Information

Labelling	Irritant.
Classification	

Label Symbols

Xi



Risk & safety Phrases	Irritating to eyes, respiratory system and skin. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.
EEC Number	208-309-4

## 16. Other Information

Document Information	This document has been prepared in accordance with directive 88/379/EEC.  The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.  Revision Date: 24/11/00. Data reviewed and PDF file generated: 19/07/07. Copyright 2007 Camlab Limited.
----------------------	---