

# Camlab Limited – Material Safety Data Sheet


## 1. Identification

Product Code CC/0399-BH

Product Name **MAGNESIUM METAL RIBBON**

Molecular Formula **Mg =24.31**

CAS Number **7439-95-4**

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)
Magnesium	7439-95-4	231-104-6	> 99.0%	F : R11,R15	N/A

## 3. Hazards Identification



Highly flammable. Contact with water liberates highly flammable gases.

## 4. First Aid Measures

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

Skin Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure. Keep warm and at rest. If conscious place in a sitting position. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION.

Ingestion If conscious give plenty of water to drink. Do not induce vomiting. 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. Reacts with water to form extremely flammable gas.

Extinguishing Media Dry chemical powder.

Unsuitable Media Do not allow water to come into direct contact with material.

## 6. Accidental Release Measures

Personal Protection	Ensure no contact with water, acids or other aqueous solutions is possible.
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	Shovel/sweep up into container for removal Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions	Avoid contact with water, acids or other aqueous solutions.  No specific precautions.
Storage Conditions	Store in a dry place protected against moisture and water. Keep well protected from ingress of water and well separated from acids

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

Respiratory	Presents no significant inhalation health hazard.
Hands	Wear gloves.
Eyes	Use chemical splash proof glasses or goggles.
Skin	Avoid contact with skin.

## 9. Physical & Chemical Properties

Appearance	Silver-grey metallic ribbon.
Odour	No specific odour.
pH	Not available
Boiling point	1100.0 °C
Melting point	651.0 °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	Negligible
Relative Density	1.7380 °C
Water Solubility	Reacts with water evolving a flammable gas.

## 10. Stability & Reactivity

Chemical Stability	Stable under normal conditions but spontaneously flammable in air above 220C.
Conditions to Avoid	Avoid contact with water or water vapour.
Materials to Avoid	Contact with water evolves flammable hydrogen gas. Forms explosive compounds with ammonia, acetylenic compounds, azides and ethylene oxide. Halogenated alkane solvents eg, carbon tetrachloride, dichloromethane, tetrachloroethane etc. Strong oxidising agents.
Hazardous Decomposition Products	Decomposes to emit highly irritant fumes.

## 11. Toxicological Information

Eyes	The dust is irritating to the eyes.
Skin	Presents no significant hazard by skin contact.
LD50 Skin	Not available
Ingest	Low order of acute toxicity.
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	No information is available.

## 12. Ecological

None unusual.

## 13. Disposal Considerations

Disposal Methods	Small amounts may be carefully decomposed in a large excess of water.
Contaminated Packaging	Use a licensed waste disposer.

## 14. Transport Information

Proper Shipping Name	Magnesium
UN Number	1869
UN Classification	4.1 Flammable solid
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Transport Category	3
Marine pollutant	No
ADR Hazard ID	40



## 15. Regulatory Information

Labelling	Highly Flammable.
Classification	

Label Symbols

F



Risk & safety Phrases	Highly flammable. Contact with water liberates highly flammable gases. Keep container tightly closed and dry. In case of fire use dry powder extinguisher - Never use water.
-----------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

EEC Number	231-104-6
------------	-----------

## 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.

## 16. Other Information (continued)

Revision Date: 21/02/05.

Data reviewed and PDF file generated: 19/07/07.

Copyright 2007 Camlab Limited.