

Camlab Limited – Material Safety Data Sheet


1. Identification

Product Code CC/2013-BO

Product Name **CALCIUM METAL GRANULATED**

Molecular Formula **Ca =40.08**

CAS Number **7440-70-2**

Supplier: **CAMLAB LIMITED**
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2. Composition

Component	CAS No	EEC No	Conc w/w	Classification & Risk Phrases	Exp (See 8.1)
CALCIUM METAL GRANULATED	7440-70-2	231-179-5	98.5%	F : R15	N/A

3. Hazards Identification



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 URGENTLY.

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

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.

Extinguishing Media Dry graphite or appropriate metal fire extinguishing powder.

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

6. Accidental Release Measures

Personal Protection	Use approved personal protective equipment. Ensure no contact with water, acids or other aqueous solutions is possible. Evacuate area immediately. Do not allow other people to enter area.
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
Minor Spillage	Shovel/sweep up into container for removal

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 granules.
Odour	No specific odour.
pH	Not available
Boiling point	1482.0 °C
Melting point	850.0 °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	Sparingly soluble in water.

10. Stability & Reactivity

Chemical Stability	Stable under normal conditions but decomposes in contact with water.
Conditions to Avoid	Decomposes in water, acids and alcohols to produce highly flammable hydrogen gas.
Materials to Avoid	May detonate in contact with alkali hydroxides or carbonates and reacts with halogens.
Hazardous Decomposition Products	Decomposes to emit highly irritant fumes.

11. Toxicological Information

Eyes	The solid and solutions will be irritating to the eyes.
Skin	The solid and solutions will be irritating to the skin.

11. Toxicological Information (continued)

LD50 Skin	Not available
Ingest	Ingestion of large amounts may cause gastrointestinal irritation.
LD50 Ingest	Not available
Inhalation	Presents no significant health hazard by inhalation.
Carcinogenicity	No information is available.
Mutagenicity	No information is available.
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. Larger quantities should be sent for disposal by an authorised waste disposer.
Contaminated Packaging	Use a licensed waste disposer.

14. Transport Information

Proper Shipping Name	Calcium
UN Number	1401
UN Classification	4.3 Dangerous when wet
Subsidiary Risk	None
Flash Point	Not available
Packing Group	II
Transport Category	2
Marine pollutant	No
ADR Hazard ID	423



15. Regulatory Information

Labelling	Highly Flammable.
Classification	

Label Symbols

F



Risk & safety Phrases	Contact with water liberates highly flammable gases. Keep out of reach of children. Keep container dry. Avoid contact with skin and eyes. In case of fire use dry powder extinguisher - Never use water.
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EEC Number 231-179-5

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.

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