Camlab Limited – Material Safety Data Sheet 1111389

1. Identification

Product Code **1111389**

Product Name **SODA LIME SELF-INDICATING (4-10 mesh)**

CAS Number **8006-28-8**

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 hydroxide	1305-62-0	215-137-3	> 75.5%	C : R38,R41	WEL
Sodium hydroxide	1310-73-2	215-185-5	< 3.5%	C : R35	WEL

3. Hazards Identification

Causes burns.

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. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation Remove from exposure.

Ingestion If conscious give plenty of water to drink. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION.

5. Fire Fighting Measures

Hazards Presents no specific fire danger.

Extinguishing Media Water spray, foam, dry powder or carbon dioxide.

Unsuitable Media Do not use halogenated hydrocarbons.

6. Accidental Release Measures

Personal Protection Use approved personal protective equipment. Avoid breathing dust. Do not allow general use of area until it is safe to do so.

Enviromental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash to drain with copious amounts of water.

6. Accidental Release Measures (continued)

Minor Spillage — Wash to drain 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.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

Storage Conditions — Well ventilated, cool, dry storage . Keep well protected from ingress of water and well separated from acids

8.1 Workplace Exposure Limits

Component	CAS No	Workplace Exposure Limits				Maximum Exposure Limits			
		Long Term		Short Term		Long Term		Short Term	
		ppm	mg m–3	ppm	mg m–3	ppm	mg m–3	ppm	mg m–3
Calcium hydroxide	1305-62-0	–	5.000	–	–	–	–	–	–
Sodium hydroxide	1310-73-2	–	–	–	2.000	–	–	–	–

8.2 Personal Protection

Respiratory — Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus.

Hands — Use nitrile gloves or PVC gauntlets.

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	Off-white granules which turn violet when absorbency is exhausted.
Odour	Odourless.
pH	13 (In solution)
Boiling point	Not available
Melting point	Not available
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 Presure	Not available
Relative Density	2.3000 °C
Water Solubility	Slightly soluble in water.

10. Stability & Reactivity

Chemical Stability — Stable under normal conditions

Conditions to Avoid — Avoid ingress of water and contact with acids.

Materials to Avoid — Acids. Carbon tetrachloride and trichloroethylene.

Hazardous Decomposition Products — May produce hazardous fumes if involved in a fire.

11. Toxicological Information

Eyes — Contact with the solid or dust will be irritating to the eyes, and may cause burns and corneal opacification.

Skin — Contact with the solid or dust will be irritating to the skin. Repeated exposure may cause dermatitis.

11. Toxicological Information (continued)

LD50 Skin	Not available
Ingest	Low order of acute toxicity. Ingestion of large amounts will cause nausea, abdominal discomfort, vomiting and diarrhoea.
LD50 Ingest	Oral Rat 7.34g/Kg
Inhalation	Prolonged exposure to dust or fume concentrations above the occupational exposure limits will produce irritation of the eyes, nose, throat and respiratory tract.
Carcinogenicity	No information is available.
Mutagenicity	No information is available.
Reproductive Effects	No information is available.
Other Information	The irritant effect provides warning that control of exposure is needed.

12. Ecological

Small amounts present no specific environmental hazard.

13. Disposal Considerations

Disposal Methods	Carefully neutralise with 10% hydrochloric acid, (test with litmus blue -> red), then add a large excess of water, decant the solution and run to waste. Dispose of the sand as solid waste.
Contaminated Packaging	Clean out with a weak hydrochloric acid solution then wash out thoroughly with water.

14. Transport Information

Proper Shipping Name	Soda Lime
UN Number	1907
UN Classification	8 Corrosive
Subsidiary Risk	None
Flash Point	Not available
Packing Group	III
Transport Category	3
Marine pollutant	No
ADR Hazard ID	80

15. Regulatory Information

Labelling Classification	Corrosive.
Label Symbols	C

Risk & safety Phrases	Causes burns. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.
EEC Number	Not available

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)

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