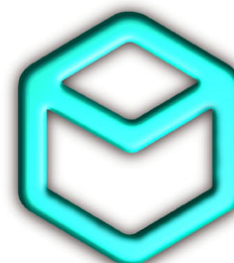


SAFETY DATA SHEET



molecular

SOFNOLIME

Safety Data Ref: SL1

Date : 31/03/00

Issue No: 7

Pages: 1 of 2

1 IDENTIFICATION OF SUBSTANCE	Commercial Names	Sofnolime/Medisorb/Viosorb/Durasorb/Prosorb/Vivalyme/LSSA-Sorb/Simasorb/Vitalime			
	Chemical Name	Soda Lime			
2 COMPOSITION	Components	%W/W	CAS	EINECS	Supply Class
	Sodium Hydroxide	3%	1310-73-2	215-185-5	C:R34
	Calcium Hydroxide	>75%	1305-62-0	215-137-3	N/A
3 HAZARDS IDENTIFICATION		Can cause burns to eyes and skin			
4 FIRST AID MEASURE	Inhalation	Remove from exposure. Obtain medical attention			
	Skin	Drench with clean water. Obtain medical attention if skin becomes inflamed			
	Eyes	Irrigate thoroughly with clean water. Obtain medical attention			
	Ingestion	Wash out mouth thoroughly. Obtain medical attention			
5 FIRE FIGHTING	Extinguishing Media	Water, Foam, CO ₂ , powder are all suitable			
	Fire & Explosion Hazards	Material is non-combustible. Packaging may be combustible			
	Protective Measures	Breathing apparatus may be needed			
6 ACCIDENTAL RELEASE	Personal Precautions	Avoid inhaling dust. Avoid skin and eye contact			
	Environmental Precautions	No hazard			
	Recovery	Contain material. Sweep or vacuum up			
7 HANDLING & STORAGE		Store in a clean dry environment. Avoid direct sunlight. Keep containers closed			
8 EXPOSURE CONTROLS	Occupational Exposure Limits	Component	TWA/8h	STE/15min	
		Sodium Hydroxide		2mg/m ³	
		Calcium Hydroxide	5mg/m ³		
PERSONAL PROTECTION	Respiratory	Nuisance dust mask recommended			
	Skin	General purpose rubber gloves			
	Eyes	Glasses to protect against dust			
	Hygiene	Wash after skin contact			
9 PHYSICAL & CHEMICAL PROPERTIES	Appearance	White or coloured solids			
	Odour	None			
	pH	12-14			
	Relative Density	2.0 g/cm ³			
	Solubility in water	Slight			

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SOFNOLIME continued

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10 STABILITY & REACTIVITY

Material is stable. Converts to Calcium and Sodium Carbonates when exposed to air. Avoid contact with Chloroform or Trichloroethylene. Heat is generated when exposed to acids

11 TOXICOLOGICAL INFORMATION

Sodium Hydroxide LD₅₀ = 500mg/kg rbt
Calcium Hydroxide LD₅₀ = 7.3g/kg rat

12 ECOLOGICAL INFORMATION

No risk of prolonged damage to animal or plant life
Converts to naturally occurring minerals

13 DISPOSAL CONSIDERATIONS

Disposal by licensed contractor and carrier

14 TRANSPORT INFORMATION

Transport Classification	None
UN Number	None
Hazard Class	N/A
Packing Group	N/A

15 REGULATORY INFORMATION

Supply Classification	Corrosive
Risk Phrases	R34 Causes burns
Safety Phrases	S2 Keep out of reach of children S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention S37/39 Wear suitable gloves and eye/face protection

16 OTHER INFORMATION

The intended use of this product is as an absorbent for Carbon Dioxide and other acidic gases. It is suitable for use in anaesthetic equipment, hyperbaric systems, breathing apparatus, diving equipment, air purifications systems and as a general industrial reagent

FOR FURTHER INFORMATION CONTACT:
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24 HOUR EMERGENCY TELEPHONE NUMBER : 0802 534621

THE INFORMATION IN THIS SAFETY DATA SHEET IS BASED ON BEST KNOWLEDGE AVAILABLE AT THE TIME AND CURRENT NATIONAL LEGISLATION. IT PROVIDES GUIDANCE ON HEALTH, SAFETY AND ENVIRONMENTAL ASPECTS OF THE PRODUCT AND SHOULD NOT BE CONSTRUED AS ANY GUARANTEE OF TECHNICAL PERFORMANCE OR SUITABILITY FOR PARTICULAR APPLICATION. AS THE SPECIFIC CONDITIONS OF USE ARE OUTSIDE THE CONTROL OF THE SUPPLIER, THE USER IS RESPONSIBLE FOR ENSURING THAT THE PRODUCT IS USED IN A SAFE WAY AND THE REQUIREMENTS OF RELEVANT LEGISLATION ARE COMPLIED WITH.

APPROVED BY : A McKERNAN