

SODALIME
CARBON DIOXIDE ABSORBENT FOR ANESTHESIA
MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

I- MANUFACTURER:
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III- PRODUCT: SODALIME

IV- CHEMICAL NAME: SODALIME

2. COMPOSITION / INFORMATION ON INGREDIENTS

• 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 MEASURES

EMERGENCY AND FIRST AID PROCEDURES:

- **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 MEASURES

- **Extinguishing Media** Water, Foam, CO₂, 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 MEASURES

- **Personal Precautions** Avoid inhaling dust. Avoid skin and eye contact
- **Environmental Precautions** No hazard
- **Recovery** Contain material. Sweep or vacuum up

7. HANDLING AND STORAGE

Store in a clean dry environment. Preferred temperature range 0 to 35°C.
Avoid freezing and direct sunlight. Keep containers closed

8. EXPOSURE CONTROL

OCCUPATIONAL EXPOSURE LIMITS (EH40)

- **Component :** Sodium Hydroxide
Calcium Hydroxide
- **TWA/8h** 5mg/m³
- **STEL (15 min)** 2mg/m³

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 AND CHEMICAL PROPERTIES

- **Appearance** White or colored solids
- **Odor** None
- **PH** 12-14
- **Relative Density** 2.0 g/cm³
- **Solubility in water** Slight

10. STABILITY AND 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** LD(10)=500mg/kg rbt
- **Calcium Hydroxide** LD(50)=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
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible)

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 information relating to:

- a) use of product and general enquiries
- b) purchase orders or delivery
- c) technical information and copies of safety data sheets

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