



Freedom to Breathe

Ferraris Respiratory Europe Ltd

Harforde Court  
John Tate Road  
Hertford  
SG13 7NW, UK

Tel: +44 (0) 1992 526300  
Fax: +44 (0) 1992 526320  
info@fre.ferrarisgroup.com

www.ferrarisrespiratory.com  
www.ferrarismedical.com

**TECHNICAL DATA (for COSHH purposes only)**  
**Ref: PKM-0900-052-000000 GREEN SODA LIME**

- CH71594.

**1. IDENTIFICATION OF SUBSTANCE**

Commercial Name: Sofnolime  
Chemical Name: Soda Lime

**2. COMPOSITION**

Components	%W/W	CAS	ENIECS	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<sub>2</sub> 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.



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7. **HANDLING & STORAGE**

Store in a clean, dry environment. Avoid direct sunlight. Keep containers closed.

8. **EXPOSURE CONTROLS**

Occupational Exposure STE/15min Limits	Component	TWA/8h
	Sodium Hydroxide	Zmg/m3
	Calcium Hydroxide	5mg/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 & CHEMICAL PROPERTIES**

Appearance	White or coloured solids
Odour	None
PH	12 -14
Relative Density	2.0 g/cm <sup>3</sup>
Solubility in water	Slight

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.

II. **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.

