

Material Safety Data Sheet
May be used to comply with:
OSHA's Hazard Communication Standard
29 CFR 1910.1200. Standard must be:
consulted for specific requirements:

U.S. Department of Labor
Occupational Safety & Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY: **RAECO S.L.U. POWDER**

Section I

Manufacturer Name: Raeco, Inc.
Address: 915 S. Carstens Pl.
P.O. Box 80545
Seattle, Washington 98108
(206) 763-1335

Date Prepared: 1-10-2004

Section II - Hazardous Ingredients/Identity Information

Hazardous Components	OSHA PEL	ACGIH TLV	Other Limits
Portland Cement	5mg/m ³	10mg/m ³ -TWA	5mg/m ³ , respirable 10mg/m ³ , total
Crystalline Silica	<u>10mg/m³</u> % SiO ₂ +2	.05mg/m ³ -TWA	
Calcium Carbonate	5mg/m ³	10mg/m ³ -TWA	5mg/m ³ , respirable 10mg/m ³ , total
Calcium Aluminate Cement	5mg/m ³	15mg/m ³ -TWA	
Polymer	15mg/m ³	10mg/m ³ -TWA	

Section III - Physical/Chemical Characteristics

Boiling Point: NA
Specific Gravity (H₂O=1): 2.5
Vapor Pressure (mm Hg): NA
Melting Point: NA
Vapor Density (AIR=1): NA
Evaporation Rate (Butyl Acetate=1): <1%
Solubility in Water: 1%
Appearance & Odor: Gray Powder - No Odor

Section IV - Fire & Explosion Hazard Data

Flash Point: NA
Flammable Limits: NA
Extinguishing Media: NA
Special Fire Fighting Procedures: NA
Unusual Fire & Explosion Hazards: NA

Section V - Reactivity Data

Stability:	Stable
Conditions to Avoid:	NA
Incompatibility (Materials to Avoid):	Mineral Acids
Hazardous Polymerization:	Will Not Occur
Hazardous Decomposition or Byproducts:	CO, CO ₂ , Silicon Tetra Fluoride (with Hydrofluoric acid)

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation: Yes	Skin: Yes	Ingestion: No
Health Hazard (Acute or Chronic):	Acute: portland Cement mortar can cause alkali burns & dry skin. Dust can irritate the eyes & upper respiratory system. Chronic: Dust can cause inflammation of interior of nose & eyes. Prolonged exposure may cause scarring of lungs, silicosis, lung disease (including tuberculosis)		
Carcinogenicity:	NTP: Yes	IARC Monographs: Yes	
There is sufficient evidence for the carcinogenicity of inhaled crystalline silica.			
Signs & Symptoms of Exposure: Shortness of breath, coughing, reddening of eyes			
Medical Conditions: Hypersensitive individuals may develop allergenic dermatitis, increase susceptibility to infectious diseases (including tuberculosis).			
First Aid Procedures: Irrigate eyes with water, wash exposed skin areas with water, remove persons to fresh air.			

Section VII - Precautions for Safe Handling & Use

Steps to Take in Case Material is Released or Spilled:	Collect spills using dustless method, material can be returned to container for later use, wear OSHA approved respirator for silica dust.
Waste Disposal Method:	Mortar can be disposed of as common waste, unrestricted sanitary land fill.
Precautions to Be Taken in Handling & Storing:	Eliminate exposure to dust, use OSHA mask for dust, minimize exposure to skin & eyes.

Section VIII - Control Measures

Respiratory Protection: OSHA approved respirator for silica sand dust.			
Ventilation: Local	Exhaust: Yes	Mechanical: NA	Other: No
Protective Gloves: Rubber	Eye Protection: Tight fitting goggles		
Other Protective Clothing or Equipment: Barrier cream, boots & clothing should protect skin from dust & wet mortar.			
Work/Hygienic Practices: Workers should shower with soap & water after working with mortar.			