OWS

Product: Hydrated Lime (calcium hydroxide)

Hydrated lime is widely used to adjust the pH of water to prepare it for further treatment. Lime is also used to combat "red water" by neutralizing the acid water, thereby reducing corrosion of pipes and mains from acid waters. The corrosive waters contain excessive amounts of carbon dioxide. Lime precipitates the CO2 to form calcium carbonate, which provides a protective coating on the inside of water mains.Lime is used in conjunction with alum salts for coagulating suspended solids incident to the removal of turbidity from "raw" water. It serves to maintain the proper pH for most satisfactory coagulation conditions. In some water treatment plants, alum sludge is treated with lime to facilitate sludge thickening on pressure filters.

PHYSICAL PROPERTIES

Property Description	Property Value/Quality
$Ca(OH)_2$ Appearance	Powder
Passing 30 Mesh sieve	100%
Passing 85 Mesh sieve	99.9%

CHEMICAL ANALYSIS

Constitutes	Composition
Silca (as SiO_2)	0.45
Iron as Fe_2O_3	0.07
Aluminium as Al_2O_3	0.08
Calcium Oxide	73.03
Magnesium Oxide	0.92
Available lime as CaO	71.97
Available lime as $Ca(OH)_2$	80.00
Carbon Dioxide	0.81
Lead	< 5ppm
Arsenic, Chromium	<0.001%
Cadium, Barium	<0.001%
Copper	0.02%

* other details as well as MSDS available on request.

CERTIFICATION / APPROVAL

ISO 9001 : 2000 Approved

HANDLING / SAFETY

The handling of any chemical requires care. Anyone responsible for using or handling Hydrated Lime should familiarize themselves with the full safety precautions outlined in our Material Safety Data Sheet.

PACKAGING

25 Kg Bags , 1 Mt Jumbo bags

STORAGE

Store in a dry, cool well ventilated area

DISTRIBUTION

Oil & Water Supplies Limited
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Please Note, we also supply a full range of Water treatment Chemicals, please visit our Web site @ www.owsupplies.biz for more details