



SLAKED LİME TDS

VİŞNE MADENCİLİK ÜRETİM SANAYİ VE TİCARET A.Ş.

CHEMICAL NAME: Ca(OH)₂ (CALCIUM HYDROXIDE)

USAGE AREAS

Metal: Steel Products, Non-Ferrous Metals

Construction : Road Stabilization, Building materials

Paper : In the sedimentation of solids in wastewater

Environment : Flue gas treatment, Drinking Water Treatment, Wastewater Treatment, Hazardous wastes

Chemistry: Calcium Hypochlorite, Citric acid, Calcium Salts

Ceramics : Enamel, Porcelain Production

Sugar: In Sugar Cane and Sugar Beet Production

Mining : Flotation , Agglomeration , Coal Bridging

Agriculture, Food: In agriculture, food and by-products

INTENDED USE

In the Metal Industry: It is used as a lubricant in steel products in rolling mills and for neutralization to prevent corrosion. In non-ferrous metals; It is used as a pH adjuster in the recovery of gold and silver by cyanidation, and as a slag maker in the production of low carbon ferrochrome.

Construction: It is used as a whitewash to stabilize clayey soils in road construction, to increase the strength of the product in the production of concrete blocks and elements, to give workability to binder and plaster in mortar and plaster production.

Paper: It is used for the precipitation of solids in paper industry wastewater, as a filtration aid, for the recovery of alcohol and calcium lignosulfonate.

Environment: It is used for flue gas purification, for incineration of domestic wastes, for cleaning HCl in flue gases, for removing mercury in flue gases together with activated carbon.

It is used to remove carbonate hardness in drinking water treatment, neutralize acidic waters, increase the pH value of water and destroy bacteria and some viruses in the water.

It is used in wastewater treatment, domestic wastewater treatment, precipitation of solids with aluminum and iron salts, removal of phosphorus and nitrogen, neutralization of acid-containing water in industry, precipitation of metal ions such as iron and chromium.

It is used in the stabilization of the sludge from domestic wastewater treatment plants in the preparation of waste sludge, and in the conversion of sludge from domestic wastewater treatment plants and in the stabilization of industrial wastes such as animal wastes, sulfide/sulphate sludges, petroleum wastes, and it is used in the stabilization of wastes containing metals such as copper, lead, zinc, arsenic as harmful waste.

Chemistry: In the production of calcium hypochlorite by the reaction of slaked lime and chlorine gas. In the refining of citric acid. As a result of the reaction of lime with organic or inorganic acids, calcium phosphate (mono, di, tri), fluorite, bromide, ferrocyanide etc. in the production of chemicals. It is used as a neutralizer in the production of chromium chemicals, in the concentration of glucose and dextrin in the production of ethylene or propylene glycol, as an adsorbent and desiccant in various chemical processes.

Ceramic: It is used in the production of enamel and porcelain.

Sugar: It is used as a pH regulator and impurity remover in sugar cane and beet production.

Mineral : As a pH adjuster and pyrite suppressant in the flotation of ores such as copper, lead and zinc. As a binder in the pelletizing of iron ore concentrates and in the production of self-slag pellets. It is used as a hardener and also as a sulfur sorbent in coal briquettes where molasses is used as a binder.

Agriculture, Food: It is used to adjust pH in agricultural soils, to make gelatin from bones, to convert fruit wastes into feed in the fruit industry, to produce tartaric acid and to preserve the freshness of fruits.

PHYSICAL AND CHEMICAL PROPERTIES

Parameter/Product	CL 80 S	CL 90 S
% Active Ca(OH) ₂	Min.80	Min.85
% Humidity	Max. 2	Max. 2
% MgO	Max. 2	Max. 2
% Total CaO+MgO	Min. 80	Min. 90
Packing	Silo truck, BigBag, Small paper bag	Silo truck, BigBag, Small polypropylene bag