

# Sodium Lignosulfonate Application

## Concrete industry

At the concrete manufacture and dry construction, it reduces the conception of components up to 10-15% remixing of the concrete mass reduces and its solidity rises, the speed of hardening slows down. Usage of lignosulfonate reduces humidity of raw mud if conserving its flow behaviour, which rises the manufacture of stove and reduces specific flow volume to the burning of clinker, with the usage of intensifier on the base of lignosulfonate the production of grinding units rises and there is an opportunity to change expensive and defect chemical products.

## Petroleum industry

In this area, sodium lignosulfonate is used as a flotation agent and reagent for regulating of the basic parameters of mud flushes. They are also components of gel forming systems. Gel forming leads to redistribution of filtration flows and their better regulation. Technical lignosulfonate are used for hardening of different construction types: drill well, moon pool, holes, and in minerals industry.

## Building materials production

Sodium lignosulfonate can be used in producing plates because of its astringent, sticking and surface active properties. Because this kind of production is very expensive, toxic, carbamide are used, mixture of modified lignosulfonate with loam can get combined binder. Meanwhile the toxication of the plates can be reduced up to 50%. And in the producing of mineral-cotton plates, the products can become more firm and water-proof.

## Drilling industry

[Sodium lignosulfonate](#) can be used as a flotation reagent in minerals industry to achieve incomplete washing of separating materials. They are used for drilling well, moon pool hardening and be added in different ground based in different ground bases and carpets. Sodium lignosulfonate can emulsify bituminous materials, liquid bituminous materials or coal tars, thus constructions are strengthened.