

TECHNICAL DATA SHEET

Sodium Lignosulfonate



Production Description

Sodium lignosulfonate is a yellowish brown powder that is completely soluble in water, it is an anionic surfactant of high molecular weight polymers, rich in sulfo and carboxyl groups, and has water-solubility, surf-activity and dispersibility. Construction, ceramics, mineral powder, chemical industry, textile industry (leather), metallurgy, petroleum industry, fire-resistant materials, rubber vulcanization, organic polymerization, also can be used as animal feed additive due to its antimicrobial and preservative properties. Sodium Lignosulfonate substantially used as cement water- reducing agent, leading to the prolixity of group of cement so that the water content is rained out, adding its mobility, thereby reducing the mixing water, and saving cement.

Main Specification

Name	Sodium Lignosulphonate Grade One
Product Code	GAC-NaLS-1
Appearance	Yellow Brown powder
PH value	7.0-9.5
Dry matters	95%min
Water-insoluble	1.5%max
Water Reducing Capacity	8%min
Sulphate	2-5 (%)
Calcium and magnesium	0.5max
Lignosulphonate	55%min
Reducing Sugar	7%max
Moisture	7%Max

Uses Area

1. Could work as plasticizer in making concrete n making concrete to maintain the ability of concrete flow with less water. Also used during the production of cement, where they act as grinding aids in the cement mill and as a rawmix slurry deflocculant (that reduces the viscosity of the slurry).
2. Could be used in lead batteries to acts on crystallization of the lead sulfate thus increase the battery to get a much longer life-time.
3. Could use as a filler and binder in ceramic tiles, resins to fiber boards, casting sand and in fodder pellets.
4. Work as dust-suppression roads as well as in dusty processes within industry. Lignosulfonate is used as a dispersant in products like fodder, disperse pesticides, dyes, carbon black, and other insoluble solids and liquids into water.
5. Could reduce the viscosity of mineral slurries is used to advantage in oil drilling mud, where it replaced tannic acids from quebracho (a tropical tree).
6. Could be used for the production of plasterboard to reduce the amount of water required to make the stucco flow and form the layer between two sheets of paper. The reduction in water content allows lower kiln temperatures to dry the plasterboard, saving energy.
7. Lignosulphonates could work as a binder of powder and granular materials: for iron ore powder, lead

and zinc powder, pulverized coal, coke Toner pressure on the ball; extrusion of cast iron, cast steel sand repression; mud-brick wall and floor tiles molding; mineral aggregate into a ball and provides high strength, good stability, lubrication and mold good results.

Packaging

1. 20kgs or 25kgs woven bags with liner inside.
2. According Customers requirement.