LIGNOSIL™
Calcium Lignosulfonate

CAS No.: 8061-52-7
Formula: $C_{20}H_{24}CaO_{10}S_2$

DESCRIPTION

Calcium Lignosulfonate is a light yellow to brown powder derived from the sulfite pulping of softwood. It is soluble in water but practically insoluble in organic solvents. Its dispersing, binding, and chelating properties make it a versatile additive across construction, agriculture, and industrial sectors.

KEY FEATURES

- Renewable, lignin-derived additive
- Excellent dispersant and water reducer
- Functions as a binder, chelating agent, and plasticizer
- Suitable for multiple industries including construction, agriculture, and leather tanning

APPLICATIONS

- Concrete admixtures (plasticizer/water reducer)
- Oil well cementing
- Leather tanning
- Dyestuffs and pigments
- Chelating agent in horticulture
- Binder in animal feeds

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Light brown powder
Moisture (%)	≤ 6.0
pH	6 –8
Lignosulfonate (%)	≥ 55
Reducing Sugar (%)	≤ 8.0
Sulfate as SO_4 (%)	2 – 5
Water Insoluble Matter (%)	≤ 2
Solids Content (%)	≥ 93

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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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PACKAGING

- 25 kg bags
- Super sacks

STORAGE

Store in a dry place away from direct sunlight. Keep in sealed, original packaging to maintain product integrity.

SAFETY & HANDLING

Refer to the Safety Data Sheet (SDS) for detailed information on safe handling, personal protective equipment, first aid measures, and disposal considerations.