LIGNOSIL™
Sodium Lignosulfonate 02

CAS No.: 8061-51-6
Formula:

DESCRIPTION

Sodium Lignosulfonate 02 is a free-flowing brown organic polymer derived from the sulfite pulping of wood. It is a water-soluble anionic surfactant and dispersant with binding and chelating properties. The product functions as a low-range water reducer in concrete and a mid-temperature retarder in oil-well cementing systems. Its versatility and natural polymeric structure make it suitable for a wide range of industrial and agricultural applications.

KEY FEATURES

- Organic, environmentally friendly dispersant and binder
- Effective mid-temperature retarder in oilfield cementing
- Improves workability and reduces water demand in concrete
- Enhances granulation and binding in pellets and briquettes
- Compatible with a variety of cement and admixture systems

APPLICATIONS

- Concrete admixtures (plasticizer, water reducer)
- Oilfield cementing retarder
- Pellet binding and dust suppression
- Agrochemical formulations and fertilizer additives
- Textile and dye dispersant systems

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Brown powder
Solids Content	≥ 94.0%
pH (25 °C)	9.0 – 11.0
Specific Gravity	~0.37 g/cm³

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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

- Available in 25 kg bags and 1,000 kg super sacks.
- Also available as a 40% aqueous solution.

SHELF LIFE

Shelf life is at least 12 months under normal storage conditions.

STORAGE

Store in sealed original packaging in a cool, dry area away from direct sunlight.
Avoid exposure to moisture to maintain free-flowing properties.

SAFETY & HANDLING

Avoid contact with eyes and prolonged skin exposure. Use standard protective equipment such as gloves, goggles, and dust masks during handling.
Refer to the Safety Data Sheet (SDS) for full information on safe handling, first aid, and disposal procedures.