LIGNOSIL™
Sodium Lignosulfonate Solution
40%

CAS No.: 8061-51-6
Formula:

DESCRIPTION

Sodium Lignosulfonate Solution 40% is a brown liquid derived from the sulfite pulping of wood. It is a natural, water-soluble anionic polymer with dispersing, complexing, and surface-active properties. The product functions as a low-range water reducer in concrete and as a mid-temperature retarder in oil-well cementing systems. Its multifunctional chemistry makes it suitable for use across diverse industrial applications requiring dispersion, binding, or stabilization.

KEY FEATURES

- Organic, environmentally friendly dispersant
- Effective mid-temperature retarder for oilfield cementing
- Enhances water reduction and workability in concrete systems
- Compatible with most cement additives and admixtures
- Also used as a binder, emulsifier, or dispersant in agrochemical and industrial formulations

APPLICATIONS

- Concrete admixtures (water reducer, plasticizer)
- Oilfield cementing retarder
- Pellet binding and briquetting
- Agrochemicals, pesticides, and fertilizer formulations
- Textile and dyestuff dispersant systems

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Brown liquid
Solids Content	≥ 40.0%
pH (25 °C)	9.5 – 10.5
Specific Gravity	1.23 – 1.25 g/mL

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Specialty Chemical Experts

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 1,000 L IBC totes and bulk tankers.
- Other packaging options may be available upon request.

SHELF LIFE

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

STORAGE

Store in sealed original containers in a dry, well-ventilated area away from direct sunlight and frost.
Avoid prolonged exposure to high temperature or contamination.

SAFETY & HANDLING

Avoid contact with eyes and skin. Use suitable protective equipment including gloves and goggles during handling.
Do not ingest or inhale mist. In case of contact, rinse thoroughly with water.
Refer to the Safety Data Sheet (SDS) for detailed first-aid, handling, and disposal information.