



Naphthalene Sulfonate Solution

CAS Number: 36290-04-7

Chemical Name: Sodium salt of naphthalene sulfonate

Naphthalene Sulfonate Solution is a water-based brown liquid superplasticizer. It is widely used in construction chemicals for its ability to disperse cement particles, reduce water demand, and improve the workability and performance of cementitious systems.

Standard supply is at 41.5% solids content. Other solids concentrations are available on request.

KEY FEATURES

- High-range water reduction for improved concrete strength
- Enhanced workability and slump retention
- Reduces bleeding and cracking
- Acts as a fluidizer in gypsum board, shortening drying time
- Reliable performance across a wide range of cementitious systems

APPLICATIONS

- High-performance concrete and precast systems
- Ready-mix concrete for water reduction and strength gain
- Mortars and grouts
- Gypsum board manufacturing (fluidizer and drying aid)

TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Brown liquid
Solids content (%)	41.5
pH	7.0 – 9.0
Sodium Sulfate (Na ₂ SO ₄ , %)	≤ 2.50
Specific gravity	1.18 – 1.24

(Values are typical and not intended as guaranteed specifications. Other % solids available on request.)



**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

- IBC totes
- Bulk tanker
- ISO tank

STORAGE & HANDLING

Store in a dry, well-ventilated area, away from direct sunlight. Keep containers sealed when not in use.

SAFETY

- Avoid inhalation or ingestion.
- Use protective equipment to prevent skin and eye contact.
- Refer to the Safety Data Sheet (SDS) for detailed guidance.