



SULPHONATED NAPHTHALENE FORMALDEHYDE POWDER

Safety Data Sheet

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SECTION 1: Identification

1.1 Identification

Product Name : SULPHONATED NAPHTHALENE FORMALDEHYDE POWDER (SNF)
CAS-No : 9084-06-4
Synonym Name : Sodium Salt of Sulfonated Naphthalene Formaldehyde, Sulfonated Admixture Polymer, Sodium Salt of Polynaphthalene Sulfonic Acid.
Chemical Formula : Not Applicable

1.2. General use

Recommended Use Concrete admixture, Ready-mix concrete

1.3. Manufacturer

Manufacturer Name: : National company for sulphur products
Address: National Company For Sulphur Products,
Head Office: P.O Box 2951, Riyadh 11461
Email: ncsp@ncsp.com.sa
Tel :011 4647711 Fax: 2170866
Factory: 3rd Industrial Area - Dammam

1.4. Emergency telephone number

Emergency number : Tel :011 4647711 Fax: 2170866

SECTION 2: Hazard(s) identification

2.2 Classification of the substance or mixture

Ingredients		
Chemical Name	CAS No.	Proportion
Sodium salt of Poly-naphthalene Sulfonic acid	36290-04-7	Min 93.0 % (w/w)
Sodium Sulphate	7757-82-6	7.0-8.0 % (w/w)
Water	7732-18-5	Max 7.0 % (w/w)

2.2 GHS Label elements, including precautionary statements

Label Element

Signal Word : Not classified
Hazard statement : None

precautionary statements

Primary Routes of Exposure : Skin, eyes
Health Hazard Warnings : CAUTION! May cause eye and skin irritation. Prolonged or repeated overexposure to mists may cause respiratory tract irritation.
Inhalation : Prolonged or repeated overexposure to mists may cause upper respiratory irritation.
Skin Contact : Prolonged or repeated overexposure to powder may cause slight skin irritation.
Eye Contact : Contact with eyes can cause slight irritation.
Ingestion : May cause irritation and discomfort in the form of nausea and vomiting.

SECTION 3: Composition/Information on ingredients

3.1. Substances

Composition:

Name	CAS No.	EINECS No	%by weight
Sodium salt of naphthalene sulfonate Polymerized with formaldehyde	36290-04-7		>88.
Sodium sulfate	7757-82-6	231-820-9	5.0 – 12.0
Water	7732-18-5	231-791-2	2.0 – 10.0

SECTION 4: First-aid measures

4.1. Description of first aid measures

- General Advice** : If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
- Eye Contact** : Keep eye wide open while rinsing. Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
- Skin Contact** : Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
- Inhalation** : Move to fresh air. Obtain medical attention. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
- Self-protection of the First Aider** : Use personal protective equipment as required.

4.2. Immediate medical attention and special treatment, if necessary

Obtain medical assistance.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Dry-powder, carbon dioxide (CO₂), water mist, foam.
- Flammability of the Product : May be combustible at high temperature.
- Auto-Ignition Temperature : No information found
- Flash Points : No information found

5.2. Specific hazards arising from the chemical

- Hazardous Combustion Products : Carbon Monoxide, Carbon Dioxide. Sulfur Oxides. Sodium Oxides.
- Specific hazards : May be combustible at high temperatures. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
- Personal protective equipment : Use compressed air equipment when the product is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions : Use protective equipment as referred to in section 8.

6.2. Environmental precautions

- Small Spill** : Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: Neutralize the residue with a dilute solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
- Large Spill** : Use a shovel to put the material into a convenient waste disposal container. Neutralize the residue with a solution of acetic acid. Finish cleaning by spreading water on the contaminated surface and allow to evacua through the sanitary system.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning : Collect in a suitable container and dispose as hazardous waste according to section 13.
- Cleaning up : Limit spread of spilled material.

6.4. Reference to other sections

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing If you feel unwell, seek medical attention and show the label when possible

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store dry and cool in a well ventilated area. Store in tightly closed container.
Conditions To Avoid	: Avoid heat.
Packaging compatibilities	: Store in original container.
Hints on storage assembly	: Keep away from: Strong Oxidising material.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limit : 0.3 ppm Ceiling Formaldehyde

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

Wherever possible, engineering control measures such as the isolation or enclosure of the process, the introduction of process or equipment changes to minimise release or contact, and the use of properly designed ventilation systems, should be adopted to control hazardous materials at source.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment) It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gas mask with filter type A. Protective goggles. Protective clothing. Face shield.



Hand protection:

Natural rubber Nitrile rubber Neoprene PVC

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent

Other information:

Do not eat, drink or smoke during use.

The listed protective equipment is a recommendation. A risk assessment of the actual risk may lead to other requirements. Emergency shower and eye wash facilities should be available at the workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state and appearance	: Powder (yellow beige powder)
Molecular Weight	: No information found.
Odor	: Aromatic (Slight)
Color	: Brown beige
Boiling Point	: No information found.
pH (1% water)	: 7.0-9.0
Melting Point	: No information found.
Specific Gravity	: 0.7 (Water=1)
Vapor Pressure	: No information found
Vapor Density (Air=1)	: No information found
Volatility	: 7% (v/v)
Water/Oil Dist. Coeff	: The product is more soluble in water.
Ionicity (in Water)	: No information found
Flash point	: No information found.
Solubility	: Appreciable solubility in cold water.
Evaporation Rate (BuAc=1)	: No information found

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactive with oxidizing agent

10.2. Chemical stability

Stable under recommended storage conditions

10.3. Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. Condition to avoid

Heat. Avoid dust formation. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Incompatible materials.

10.5. Incompatible materials

Oxidizing agents

10.6. Hazardous decomposition products

Carbon oxide. Sulfur oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Routes of Entry	: Eye contact.
Toxicity to Animals	
LD50	: 2000mg/kg(Rat)
LC50	: No information found
Chronic Effects on Humans	: No information found
Other Toxic Effects on Humans	: Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	: No information found
Special Remarks on other Toxic Effects on Humans	: No information found
Special Remarks on Chronic Effects on Humans	: No information found

SECTION 12: Ecological information

12.1. Toxicity

No information found

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

No information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste from residues / unused products : Waste must be disposed of in accordance with Federal, State and Local regulation.
Contaminated packaging : Empty containers should be taken for local recycling, recovery or waste disposal

SECTION 14: Transport Information

ADR Classification : Not controlled under ADR (Europe)
PIN : Not available.
IMDG Classification : Not available.
IATA Classification : Not controlled under IATA

SECTION 15: Regulatory information

Regulatory Lists: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

EC Classification/Labeling: Not controlled under DSCL(Europe) No specific safety phrase has been found applicable for this product.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

SECTION 16: Other information

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Prepared by : National Company For Sulphur products

Disclaimer

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