

# Material Safety Data Sheet

SODIUM NAPHTHALENE SULPHONATE

H.S.CODE: 3402110000

MSDS NO.: 20180203

ISSUED DATE:2018/2/3

## Section 1. Chemical Product and Company Identification

**Product Name:** Sodium poly[(naphthalene formaldehyde) sulfonate ]

**Other name:** Methyl Formaldehyde Dispersing Agent-MF

**Chemical Name:** Naphthalenesulfonic acid polymer with formaldehyde sodium salt

**CAS No.:** 9084-06-4

**Manufacturer/Supplier:**

Zhejiang Fanya Chemical Co.,Ltd  
Province,P.R.China,262404

**Manufacturer Contact:**

Tel :(+86) 575-82049981

Fax: (+86) 575-82049981

Email: www. fanyahg. com

## Section 2. Composition/Information on Ingredients

**Main effective ingredient:**  $\beta$  -Sodium Naphthalene Sulfonate formaldehyde condensate

**Molecular Formula:**  $(C_{11}H_7O_4SNa)_n$

Item	MF-B
Diffusion Force (%)	100
Water Content(%)	<10%
Na <sub>2</sub> SO <sub>4</sub> Content(%)	<8%

**Notes:** Content of Na<sub>2</sub>SO<sub>4</sub> is measured in accordance with international method of weight.

## Section 3. Physical/Chemical Characteristics

Item	FDN-A/B/C
Ca & Mg Content	<6
PH value	7 ~ 9
Formaldehyde(%)	68
Fineness(%)	1.2

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#### Section 4. Hazards Identification

**Emergency Overview:** No danger! But dust raisable.

**Eyes :**Immediately flush eyes with plenty of water. Then get immediate medical attention if necessary.

**Skin:** Flush in clear water after touching.

**Inhalation:** If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

**Ingestion:** If swallowed, drink plenty of water, induce vomiting.

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#### Section 5. :Hazards Identification

**Eyes:**Details see section 3.

**Skin:**Details see section 3.

**Ingestion:**Details see section 3.

**Inhalation:**Details see section 3.

**Notes to Physician:**In all cases of doubt,or when symptoms persist,seek medical attention.Never give anything by mouth to an unconscious person.

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#### Section 6. Fire and Explosion Hazard Data

**Flammability of the Product:** May be combustible at high temperature.

**Auto-Ignition Temperature:** No information found

**Flash Points:** No information found

**Flammable Limits:** No information found

**Products of Combustion:** These products are carbon oxides (CO, CO<sub>2</sub>) and water(H<sub>2</sub>O).

**Fire Hazards in Presence of Various Substances:**

Non-flammable in presence of open flames and sparks, of heat.

**Explosion Hazards in Presence of Various Substances:**

Risks of explosion of the product in presence of mechanical impact: No information found.

Risks of explosion of the product in presence of static discharge: No information found

**Fire Fighting Media and Instructions:**

**SMALL FIRE:** Use DRY chemical powder.

**LARGE FIRE:** Use water spray, fog or foam

**Special Remarks on Fire Hazards:** No information found

**Special Remarks on Explosion Hazards:** No information found

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#### Section 7. Usage/Applicant

**Usage:**

Widely used in pre-cast & ready-mixed concrete, armored concrete and pre-stressed reinforced concrete in key construction projects such as dam and port construction, road building & town planning projects and dwelling erections etc.

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Suitable for preparation of early-strength, high-strength, high-anti-filtration and self-sealing & pumpable concrete.

Used for and wide for self-cured, vapor-cured concrete and its formulations. At the early stage of application, extremely prominent effects are shown. As the result, the modulus and site utilization can be drastically, the procedure of vapor cure is omitted in peak-heat summer days. Statistically 40-60 metric tons of coal will be preserved when a metric ton of the material is consumed.

Compatible with Portland cement, normal Portland cement, Portland slag cement, fly-ash cement and Portland pozzolanic cement etc.

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## Section 8. Handling and Storage

### Precautions:

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.

### Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

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## Section 9. Exposure Controls / Personal Protection

### Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

### Personal Protection:

Splash goggles. Lab coat. Dust respirator. Gloves. Be sure to use an approved/certified respirator or equivalent.

### TLV/PEL:

TWA: 15mg/ m<sup>3</sup> total dust

5mg/ m<sup>3</sup> respirable dust (OSHA)

As particles not otherwise regulated (PNOR)

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## Section 10. Stability and Reactivity

**Stability:** The product is stable.

**Instability Temperature:** No information found

**Conditions of Instability:** No information found

**Incompatibility with various substances:** Reactive with oxidizing agents.

**Corrosivity:** Non-corrosive in presence of glass.

**Special Remarks on Reactivity:** No information found

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**Special Remarks on Corrosivity: No information found**  
**Polymerization: No.**

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### **Section 11. Toxicological Information**

**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**

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### **Section 12. Ecological Information**

**Ecotoxicity: No information found**

**BOD5 and COD: The BOD5 is 24000 (5 days)**

**The COD is 1800000mg/l**

**Products of Biodegradation:**

**Possibly hazardous short term degradation products are not likely. However, long term degradation products**

**may arise. These products are sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...), some metallic oxides.**

**Toxicity of the Products of Biodegradation: No information found.**

**Special Remarks on the Products of Biodegradation: No information found**

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### **Section 13. Disposal Information**

**Waste Disposal: Waste must be disposed of accordance with federal, state and local environmental control regulations.**

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### **Section 14. Package/Transportation Information**

**Package:**

**25KGs/40KGs/650KGs weaved bag with plastic inner.**

**Transportation:**

**No hazardous carriage limited.**

**ADR Classification: Not controlled under ADR (Europe)**

**PIN: Not available.**

**IMDG Classification: Not available.**

**IATA Classification: Not controlled under IATA.**

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Transport information: not regulated by IMO/IMDG.

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### Section 15: Other Regulatory Information

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

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

**(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**

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### Section 16: Other Information

**Other Special Considerations: None**

**MSDS Revision date: JAN,22, 2017**

**Emergency Contact:**

**+86-575-82049984**

The information above is believed to be accurate and represents the best information currently available to us.

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