

# Material Safety Data Sheet

## Sodium Naphthalene Sulfonate Formaldehyde

### Section 1: Chemical Product and Company Identification

**Product Name:** Sodium naphthalene sulphonate  
formaldehyde

**Chemical Name:** Sodium salt of naphthalene sulfonate  
Polymerized with formaldehyde

**Customs Tariff No. :** 2942.00

**Synonym Name:** Sodium salt of polynaphthalene  
Sulfonic acid

**Chemical Formula:** Not applicable

#### Contact Information:

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### Section 2: Composition and Information on Ingredients

#### Composition:

Name	CAS No.	EINECS No.	%by weight
Sodium salt of naphthalene sulfonate Polymerized with formaldehyde	36290-04-7		>88.0
Sodium sulfate	7757-82-6	231-820-9	5.0
water	7732-18-5	231-791-2	6.0

#### Toxicological Data on Ingredients:

**LD50:** 2000mg/kg(Rat)

**LC50:** No information found

### Section 3: Hazards Identification

#### Potential Acute Health Effects:

Inhalation: May cause irritation to the respiratory tract, with symptoms of Bronchitis

Ingestion: May cause abdominal cramps, nausea, vomiting, diarrhea

Skin Contact: Slightly irritating.

Eye Contact: May cause irritation.

#### Potential Chronic Health Effects:

Carcinogenic Effects: No information found

Mutagenic Effects: No information found

Teratogenic Effects: No information found

Developmental Toxicity: No information found

Repeated or prolonged exposure is not known to aggravate medical condition.

### Section 4: First Aid Measures

#### Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek a medical attention.

#### Skin Contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Seek a medical attention.

**Serious Skin Contact:** No information found

#### Inhalation:

Allow the victim to rest in a well ventilated area. Seek a medical attention.

**Serious Inhalation :** No information found

#### Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing,

perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** No information found

### Section 5: Fire and Explosion 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

### Section 6: Accidental Release Measures

**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 evacuate through the sanitary system. Dilute.

### Section 7: 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.

### Section 8: 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)

### Section 9: Physical and Chemical Properties

**Physical state and appearance:** Solid. (yellow beige powder)

**Molecular Weight:** No information found.

**Odor:** Aromatic (Slight)

**Color:** Yellow 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 Data

**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

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

**Polymerization:** No.

### 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

### Section 12: Ecological Information

**Ecotoxicity:** No information found

**BOD<sub>5</sub> and COD:**The BOD<sub>5</sub> 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

### Section 13: Disposal Considerations

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

### 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: Other Regulatory Information

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

**EC Classification/Labeling:** Not controlled under DSCG(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

**Other Special Considerations:** No information found

**Revision Information:**

MSDS Creation date: June 1<sup>st</sup>, 2006, Revision date: January 1<sup>st</sup>, 2007

**EMERGENCY CONTACT:**

0086-533-2187500

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