

Naphthalene sulfonic Acid with Formaldehyde (RXSOL-67-6704-026)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

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Product Name	Naphthalene sulfonic Acid with Formaldehyde
Part Number	RXSOL-67-6704-026

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Chemical Name	Cas No	Content (W/W)
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	9084-06-4	93.5 %
Sodium sulfate	7757-82-6	4.5 %
Formaldehyde	50-00-0	0.1 %

3. Hazards Identification

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Emergency overview	CAUTION: NO PARTICULAR HAZARDS KNOWN. Wash thoroughly after handling. Do not breathe dust.
Primary routes of exposure	Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.
Medical conditions aggravated by overexposure	Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product. See MSDS section 11 - Toxicological information.

4. First Aid Measures

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General advice	Remove contaminated clothing.
If inhaled	If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.
If on skin	Wash thoroughly with soap and water.

If in eyes	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
If swallowed	Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.
Note to physician	Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-fighting Measures

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Flash point	> 100 °C (DIN 51758)
Autoignition	> 200 °C (DIN 51794)
Flammability	Not self-igniting
Suitable extinguishing media	water spray, dry extinguishing media, foam
Unsuitable extinguishing media for safety reasons	carbon dioxide
Additional information	Avoid whirling up the material/product because of the danger of dust explosion.
Hazards during fire-fighting	Harmful vapours Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.
Protective equipment for fire-fighting	Wear a self-contained breathing apparatus.
Further information	Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.
NFPA Hazard codes	Health : 1 Fire: 1 Reactivity: 0 Special:

6. Accidental Release Measures

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Personal precautions	Avoid dust formation. Use personal protective clothing.
Environmental precautions	Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.
Cleanup	Avoid raising dust. For small amounts: Pick up with suitable appliance and dispose of. For large amounts: Contain with dust binding material and dispose of.

7. Handling and Storage

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Handling

General advice	Closed containers should only be opened in well-ventilated areas.
Protection against fire and explosion	Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice	Keep container tightly closed and dry; store in a cool place.
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8. Exposure controls and personal protection

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Components with workplace control parameters	Formaldehyde OSHA_ACT ACGIH	OSHA TWA value 0.75 ppm ; STEL value 2 ppm ; 0.5 ppm ; CLV 0.3 ppm ;
Advice on system design	Provide local exhaust ventilation to control dust.	
Respiratory protection	Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.	
Hand protection	Chemical resistant protective gloves	
Eye protection	Wear safety goggles (chemical goggles) if there is potential for airborne dust exposures.	
General safety and hygiene measures	Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Wash soiled clothing immediately.	

9. Physical and chemical properties

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Form	Powder
Odour	Faint specific odour
Colour	Light Brown
pH value	9.5 - 10.5 (100 g/l, 20 °C)
Melting temperature	> 260 °C
Bulk density	680 kg/m ³ (20 °C) (DIN 53468)
Solubility in water	Approx. 400 g/l (20 °C)
Solubility (qualitative)	Soluble Solvent(s): polar solvents,

10. Stability and reactivity

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Conditions to avoid	Avoid humidity.
Substances to avoid	No data available
Hazardous reactions	The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.
Decomposition products	Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
Thermal decomposition	Approx. 260 °C
Corrosion to metals	No corrosive effect on metal.

11. Toxicological information

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Acute toxicity

Oral	LD50/rat: > 2,000 mg/kg
Skin irritation	Rabbit: non-irritant (OECD Guideline 404)
Eye irritation	Rabbit: non-irritant (OECD Guideline 405)
Sensitization	Buehler test/guinea pig: Non-sensitizing. (OECD Guideline 406)

Chronic toxicity

Experiences in humans	May lead to a skin reaction in people already sensitised with formaldehyde
Other information	The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. Ecological information

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Biodegradation	Test method: OECD 303A; ISO 11733; 92/69 EEC,V, C.10, activated sludge Method of analysis: COD reduction Degree of elimination: 20 - 70 % Test method: ISO 9439, Annex D (Kombitest), activated sludge, industrial Method of analysis: C-14 labelling Degree of elimination: > 90 % Evaluation: Moderately/partially eliminated from water. In tests with reduced concentrations, elimination of the substance from water is good. At environmentally relevant purification plant concentrations of 1mg/l the elimination of the product from water is good.
Chemical oxygen demand (COD)	Static test LC50 - Oncorhynchus mykiss (rainbow trout) - 75 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - 42,81 mg/l - 48 h (OECD Test Guideline 202) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid
Toxicity	Toxicity to fish static test LC50 - Oncorhynchus mykiss (rainbow trout) - 2,60 mg/l - 96 h (OECD Test Guideline 203) Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - 4,36 mg/l - 73 h (OECD Test Guideline 201) Toxicity to bacteria Remarks: (ECHA) (m-xylene) Toxicity to fish(Chronic toxicity) flow-through test NOEC - Danio rerio (zebra fish) - 0,71 mg/l - 35 d (OECD Test Guideline 210) Toxicity to daphnia and other aquatic invertebrates(Chronic NOEC - Daphnia magna (Water flea) - 1,57 mg/l - 21 d (OECD Test Guideline 211) Sigma-Aldrich- 296325 Page 10 of 13 The life science business of Merck operates as MilliporeSigma in the US and Canada toxicity) EC50 - Daphnia magna (Water flea) - 2,9 mg/l - 21 d (OECD Test Guideline 211)
Toxicity to bacteria	EC10 - Bacteria - 14 mg/l - 72 h Remarks: (Lit.) EC5 - E.coli - 15.000 mg/l Remarks: (Lit.) (maximum permissible toxic concentration)
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata (green algae) - 74,35 mg/l - 72 h (OECD Test Guideline 201) Remarks: (in analogy to similar products) The value is given in analogy to the following substances: maleic acid
Products Biodegradation	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties	Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available .

13. Disposal considerations

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Waste treatment	Method	No data available
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14. Transport information

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UN number	ADR/RID:1307	IMDG:1307	IATA: 1307
UN proper shipping name	ADR/RID:XYLENES	IMDG:XYLENES	IATA:XYLENES
Transport hazard class(es)	ADR/RID: 3	IMDG: 3	IATA:3
Packaging group	ADR/RID: III	IMDG: III	IATA : III
Environmental hazards	ADR/RID: No	IMDG: No	IATA: No
Special precautions for user	Tunnel restriction code : (D/E) Further information : No data available		

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.
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