

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 1/6
(30043760/MDS_GEN_US/EN)

1. Substance/preparation and company identification

Company
BASF CORPORATION
100 Campus Drive
Florham Park, NJ 07932

24 Hour Emergency Response Information
CHEMTREC: (800) 424-9300
BASF HOTLINE: (800) 832-HELP

Synonyms: Sodium Salt of Naphthalene-sulphonic Acid

2. Composition/information on ingredients

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
9084-06-4	93.5 %	Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt
7757-82-6	4.5 %	Sodium sulfate
50-00-0	< 0.1 %	Formaldehyde

3. Hazard identification

Emergency overview

CAUTION: NO PARTICULAR HAZARDS KNOWN.
Wash thoroughly after handling.
Do not breathe dust.

Potential health effects

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

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.

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 2/6
(30043760/MDS_GEN_US/EN)

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

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

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.

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 3/6
(30043760/MDS_GEN_US/EN)

7. Handling and storage

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.

8. Exposure controls and personal protection

Components with workplace control parameters

Formaldehyde	OSHA	TWA value 0.75 ppm ; STEL value 2 ppm ; OSHA_ACT
	ACGIH	0.5 ppm ; CLV 0.3 ppm ;

Advice on system design:

Provide local exhaust ventilation to control dust.

Personal protective equipment

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

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,

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 4/6
(30043760/MDS_GEN_US/EN)

10. Stability and reactivity

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

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.

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 5/6
(30043760/MDS_GEN_US/EN)

12. Ecological information

Environmental fate and transport

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):

1,450 mg/g

Biochemical oxygen demand (BOD):

Incubation period 5.0 d: 190 mg/g

Environmental toxicity

Acute and prolonged toxicity to fish:

OECD 203; ISO 7346; 84/449/EEC, C.1 zebra fish/LC50 (96 h): > 100 mg/l

Toxicity to microorganisms:

DEV-L2 aquatic
activated sludge/EC10: > 5,000 mg/l

Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from products of a similar structure and composition.

13. Disposal considerations

Waste disposal of substance:

Dispose of in a licensed facility.
Do not discharge into drains/surface waters/groundwater.
It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport information

Reference Bill of Lading

Safety data sheet

Tamol* NN 9104

Revision date : 2005/06/20
Version: 1.0

Page: 6/6
(30043760/MDS_GEN_US/EN)

15. Regulatory information

Federal Regulations

Registration status:

TSCA, US released / listed

OSHA hazard category: Skin and/or eye irritant

<u>CERCLA RQ</u>	<u>CAS Number</u>	<u>Chemical name</u>
100 LBS	50-00-0	Formaldehyde

State regulations

State RTK

<u>CAS Number</u>	<u>Chemical name</u>	<u>State RTK</u>
50-00-0	Formaldehyde	MA, NJ, PA

CA Prop. 65:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

16. Other information

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Local contact information

Prod_Reg@BASF.com

Tamol is a registered trademark of BASF Corporation or BASF AG
IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.
END OF DATA SHEET