

# Safety Data Sheet

Release 1.0  
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page 1 of 6

## 1 Identification of the substance

### 1.1 Product identifier

Identification of the substance N-Phenyl-2-naphthylamine

Additional identification 2-Anilinonaphthalene

Catalogue Number FP62307

REACH No. A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses other biochemicals

Restriction on use not for food or drug use, for laboratory use only

### 1.3 Details of the supplier of the safety data sheet

Company Biosynth Ltd  
8&9 Old Station Business Park  
COMPTON RG20 6NE

Phone +44 1635 578444

Mail customerservice@biosynth.com

### 1.4 Emergency telephone number

Phone 24hr/7days: +44 118 338 8269

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Physical Hazards

not classified

#### Health Hazards

Skin irritation (Category 2), H315

Skin sensitiser (Category 1), H317

Eye irritation (Category 2), H319

Carcinogenicity (Category 2), H351

#### Environmental Hazards

Chronic aquatic toxicity (Category 2), H411

### 2.2 Label elements

#### Regulatory List

EC1272/08 Regulation (EC) 2020/8785 (GHS/CLP)

#### Symbol

GHS07 exclamation mark

#### Pictogram



GHS08 health hazard

#### Pictogram



GHS09 environmental hazards

#### Pictogram

**Signal Word**

Warning                      Warning

**Hazard Statement**

H315                      Causes skin irritation.  
H317                      May cause an allergic skin reaction.  
H319                      Causes serious eye irritation.  
H351                      Suspected of causing cancer.  
H411                      Toxic to aquatic life with long lasting effects.

**Precautionary Statement**

P261                      Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264                      Wash thoroughly after handling.  
P272                      Contaminated work clothing should not be allowed out of the workplace.  
P280                      Wear protective gloves/protective clothing/eye protection/face protection.  
P321                      Specific treatment (see on this label).  
P302+P352              IF ON SKIN: Wash with plenty of soap and water.  
P332+P313              If skin irritation occurs: Get medical advice/attention.  
P362+P364              Take off contaminated clothing and wash it before reuse.  
P305+P351+P338      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Remove contact lenses, if possible.  
P337+P313              If eye irritation persists: Get medical advice/attention.  
P333+P313              If skin irritation or rash occurs: Get medical advice/attention.  
P501                      Dispose of contents / container in accordance with local / regional / national / international regulations.  
P201                      Obtain special instructions before use.  
P202                      Do not handle until all safety precautions have been read and understood.  
P308+P313              IF exposed or concerned: Get medical advice/attention.  
P405                      Store locked up.  
P273                      Avoid release to the environment.  
P391                      Collect spillage.

**2.3 Other hazards**

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

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**3 Composition/information on ingredients****Substance related information**

<i>Substance name</i>	N-Phenyl-2-naphthylamine
<i>Synonyms</i>	2-Anilinonaphthalene
<i>Cas No.</i>	[135-88-6]
<i>Formula</i>	C <sub>16</sub> H <sub>13</sub> N

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**4 First aid measures****4.1 Description of first aid measures****First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**

Wash out mouth with water provided person is conscious. Call a physician.

**4.2 Most important symptoms and effects, both acute and delayed****Hints for Physician: Symptoms**

See Section 11 for additional information on health hazards

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**4.3 Indication of any immediate medical attention and special treatment needed****First Aid: Inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Hints for Physician: Treatment**

Treat symptomatically.

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**5 Firefighting measures****5.1 Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

**5.2 Special hazards arising from the substance or mixture**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Hazards During Fire-Fighting**

toxic fumes

**5.3 Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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**6 Accidental release measures****6.1 Personal Precautions, protective equipment and emergency procedures**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**6.2 Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**6.3 Methods and material for containment and cleaning up**

not available

**6.4 Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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**7 Handling and storage****7.1 Precautions for safe handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities****Storage temperature**

store at 10°C - 25°C

**Storage Requirements**

Keep away from incompatible substances. Keep container tightly closed when not in use.

**7.3 Specific end use(s)****Specific end use(s)**

No Specific end use

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**8 Exposure controls/personal protection****8.1 Exposure limit values**

Does not contain any substances with occupational exposure limits.

**8.2 Exposure controls****Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

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**8.3 Personal Protective Equipment****Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties****9.1 Information on basic Physical and chemical color properties**

*Form*

powder

*Phase Transition Solid/Liquid*

108 °C

**9.2 Other information**

*Molar Mass*

219.28 g/mol

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**10 Stability and reactivity****10.1 Reactivity**

No Data Available

**10.2 Chemical stability**

No Data Available

**10.3 Possibility of hazardous reaction**

No Data Available

**10.4 Conditions to Avoid (SDS)**

incompatible materials

**10.5 Incompatible materials**

strong oxidizers

**10.6 Hazardous decomposition products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), carbon monoxide

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**11 Toxicological information****11.1 Information on toxicological effects****Acute Toxicity**

LD50 oral, Rat, 8,730 mg/kg

**Assessment Carcinogenicity**

Cancer suspect agent

**Other Relevant Toxicity Information**

Only selected Registry of toxic effects of chemical substances (RTECS) data is presented here. For the complete information, consult current entry in RTECS.

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**12 Ecological Information****12.1 Toxicity**

Acute toxicity versus Fishing	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available
Acute toxicity in aquatic plants	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

<b>Acute toxicity versus Daphnia and others aquatic invertebrates</b>	Test Type	Species	Method	Exposure Time	Value in standard unit mg/l
	No data available	No data available	No data available	No data available	No data available

**12.2 Persistence and degradability**

Remarks : no data available

**12.3 Bioaccumulative potential**

Remarks : no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

no data available

**13 Disposal considerations****Advice on Disposal and Packaging***Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

*Advice on Packaging*

not available

**14 Transport information**

	Road Transport(ADR/GGVS)	Air Transport(IATA)
<b>14.1 UN number</b>	3077	3077
<b>14.2 UN proper shipping name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(N-Phenyl-2-naphthylamine)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(N-Phenyl-2-naphthylamine)
<b>14.3 Transport hazard class(es)</b>	9	9
<b>14.4 Packing group</b>	III	III
<b>14.5 Environmental hazard class(es)</b>	Hazards identified	Hazards identified
<b>14.6 Special precautions for user</b>	Not applicable	Not applicable
<b>14.7 Transport in bulk according to Annex 11 of MARPOL and the IBC code</b>	Not applicable	Not applicable

**15 Other regulations****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Component	REACH (1907/2006) - Annex XIV - Substances Subject to Authorization	REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)
N-Phenyl-2-naphthylamine	-----	-----	-----

*Regulatory List*

AREC, DSL, EINECS, ENCS, IECSC, PICCS, NZIOC, TCSI, TSCA

**15.2 Chemical safety assessment**

No chemical safety assessment has been carried out.

**16 Additional information**

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