



# **SAFETY DATA SHEET**

## **1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY /**

Catalogue No : N 18129

Product Name : 1 – Naphthylamine

Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin ,  
India

Tel - 0484 – 2788700/701/702

Contact for Information : Tel . No. – 0484 - 2788725/726

Emergency Telephone No. : 0484 - 2788725/726

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## **2 COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms :  $\alpha$ -Naphthylamine

CAS - No : 134-32-7

Molar Mass : .....

Molecular Weight : 143.19 g/mol

Molecular Formula : C<sub>10</sub>H<sub>9</sub>N

EC - INDEX No : .....

EC - No : .....

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## **3 HAZARDS IDENTIFICATION**

### **Classification of the substance or mixture**

Classification according to Regulation (EC) No 1272/2008 [EC-GHS/CLP] : Acute toxicity, Oral (Category 4)  
Carcinogenicity (Category 1A)  
Chronic aquatic toxicity (Category 2)

Classification according to EU Directives 67/548/EEC or 1999/45/EC : May cause cancer. Harmful if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **Label Elements**

Labelling according Regulation (EC) No 1272/2008 [CLP]

Signal word : Danger



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**Hazard statement(s)**



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H302 : Harmful if swallowed  
H350 : May cause cancer.  
H411 : Toxic to aquatic life with long lasting effects.

**Precautionary Statement (s)**

P201 : Obtain special instructions before use.  
P273 : Avoid release to the environment.  
P308 + P313 : IF exposed or concerned: Get medical advice/attention.

According to European Directive 67/548/EEC as amended.

**R-phrase(s)**

R45 : May cause cancer.  
R22 : Also harmful if swallowed.  
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**S-Phrase (s)**

S53 : Avoid exposure - obtain special instructions before use.  
S45 : In case of accident or if you feel unwell, seek medical advice immediately (Show the label where possible).  
S61 : Avoid release to the environment. Refer to special instructions/ Safety data sheets.  
Other Hazards : none

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**4 FIRST AID MEASURES**

After Inhalation : If breathed in, move person into fresh air, If not breathing, give artificial respiration. Consult a physician  
After skin contact : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.



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After eye contact	: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
After swallowing	: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most Important symptoms and effects, both acute and delayed	: To the best of our knowledge, the chemical, physicals, and toxicological propoerties have not been throughly investigated.
Most important symptoms and effects, both acute and delayed	: Absorption into the body leads to the formation of methemoglobin which in sufficient concentration cause cyanosis. Onset may be delayed 2 to 4 hours or longer.
Indication of any immediate medical attention and special treatment needed	: no data available

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### 5 FIRE - FIGHTING MEASURES

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	: Carbon oxides, Nitrogen oxides (Nox)
Advice for firefighters	: Wear self contained breathing apparatus for fire fighting if necessary.
Further Information	: No data available

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### 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas, Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
Environmental-protection	: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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### 7 HANDLING AND STORAGE

Precautions for safe handling	: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use. Provide appropriate exhaust ventilation at places
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Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 2 - 8°c

Specific end users : no data available

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## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameter : Components with workplace control parameters

### Exposure Controls

Appropriate engineering controls : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

### Personal protective equipment

Eye/face protection : Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection : Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374 derived from it.

### Immersion protection

Material : Nitrile rubber  
Minimum layer thickness : 0,11mm  
Break through time : > 480min

Body Protection : Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection : Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100(US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	<b>Form</b> : Solid <b>Colour</b> : Light Brown
Odour	: Ammonia odor
Odour Threshold	: No data available
pH	: 7.1 at 1 g/l at 20 °C
Melting Point/Freezing point	: Melting point/range : 47 - 50 °C - lit.
Initial Boiling point and boiling range	: 301 °C - lit
Flash Point	: 157 °C - closed up
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour Pressure	: 0.095 hPa at 50 °C, 0.012 hPa at 30 °C, 0.004 hPa at 20 °C
Vapour Density	: No data available
Relative density	: 1.114 g/mL at 25 °C
Water solubility	: 1.7 g/l at 20 °C
Partition coefficient: noctanol/water	: log Pow: 2,1
Autoignition temperature	: 460 °C
Viscosity	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Other Safety information	: No data available
Bulk density	: ca.560 kg/m <sup>3</sup>

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**10 STABILITY AND REACTIVITY**

Reactivity : No data available

Chemical stability : No data available

Conditions to be avoided : No data available

Substance to be avoided : No data available

Hazardous decomposition products : Other decomposition products - no data available

Possibility of hazardous reactions : No data available

incompatible materials : Oxidizing agents

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**11 TOXICOLOGICAL INFORMATION**

Acute Toxicity : LD50 Oral - rat - 680 mg/kg  
LD50 Inhalation - rat - 4 h - 0,056 mg/m3  
LD50 Dermal - rat - male - 447 mg/kg  
LD50 Dermal - rat - female - 200 - 1.000 mg/kg

**Further toxicological Information**

Carcinogenicity : IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable. Possible or confirmed human carcinogen by IARC.

Skin corrosion/irritation : Skin - rabbit - No skin irritation - 24 h

Eye Irritation test ( rabbit) : Eyes - rabbit - Mild eye irritation

Respiratory or skin Sensitization : No data available

Germ cell mutagenicity : No data available

After Inhalation : may be harmful if inhaled, May cause respiratory tract irritation.

After Skin contact : May be fatal if absorbed through skin. May cause skin irritation.

Eyes : Causes eye irritation.

After swallowing : No data available

After swallowing of large amounts : No data available





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Further data	: No data available
Reproductive toxicity	: No data available
Specific target organ toxicity-single exposure	: No data available
Specific target organ toxicity-repeated exposure	: No data available
Signs and symptoms of Exposure	: Absorption into the body leads to the information of methemoglobin which in sufficient Concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.
Additional Information	: RTECS : QM1400000

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## 12 ECOLOGICAL INFORMATION

<b>Toxicity</b>	
Toxicity to fish	: LC50 - Oryzias latipes - 7 mg/l - 48,0h LC100 - Oncorhynchus mykiss (rainbow trout) - 6-8 mg/l - 48,0 h
Persistence and degradability	: No data available
Biodegradability	: Biotic/Aerobic -Exposure time 28 d Result: < 1 % - Not readily biodegradable.
Bioaccumulative potential	: No data available
Bioaccumulation	: Cyprinus carpio (Carp) - Bioconcentration factor (BCF) : 54
Mobility in soil	: No data available
Results of PBT and vPvB assessment	: No data available
Other adverse effects	: Toxic to aquatic life with long lasting effects.

## 13 DISPOSAL METHOD

### Waste treatment methods

Product	: Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	: Dispose of as unused product.

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### 14 TRANSPORT INFORMATION

UN number : ADR/RID: - 2077 IMDG: - 2077  
: IATA: - 2077

UN Proper shipping name : ADR/RID : alpha-NAPHTHYLAM INE  
IMDG : alpha-NAPHTHYLAM INE  
IATA : alpha-NAPHTHYLAM INE

Transport hazard class(es) : ADR/RID: - 6.1 IMDG: - 6.1 IATA: - 6.1

Packaging group : ADR/RID: - III IMDG: - III IATA: -III

Environmental group : ADR/RID: - yes IMDGMarine pollutant: yes  
: IATA: -no

Special precaution for user : No data available

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### 15 REGULATORY INFORMATION

This safety datasheet compiles with the requirements of Regulation (EC) No. 1907/2006

Safety, health and environmental regulations/legislation specific for the substance or mixture : No data available

Chemical safety assessment : No data available

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### 16 OTHER INFORMATION

The information contained here in is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precaution. It does not represent a guarantee of the properties of the product.