

**1 Identification of the substances/ mixture and of the company/ undertaking****1.1 Product Identifiers**

Product Number R009  
Product Name  $\alpha$ -Naphthylamine Solution  
REACH Registration Number This product is a mixture. Reach registration number is not available for this mixture.

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

**1.2.1** Relevant identified uses Laboratory Chemicals, Analytical Purpose, Biochemical Analysis  
For InVitro Diagnostic Use

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

Produced by HiMedia Laboratories Private Limited  
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**1.4 Emergency Tel. No.**

Emergency Tel. No. Please contact the regional HiMedia representation in your country

**2 Hazards Identification****2.1 Classification of the substance or mixture**

**CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]**

Skin corrosion or irritation, (Category 1A), H314

**2.2 Label elements**

**Labeling according to Regulation (EC) No.1272/2008**



Pictogram

Signal word Danger

Hazard Statement(s)

H314 Causes severe skin burns and eye damage

Precautionary Statement(s)

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

**2.3 Other Hazards**

None

### 3 Composition/Information On Ingredients

#### 3.2 Mixture

Component	Classification	Concentration
Naphthylamine		
EC No. : 205-138-7 Index-No : 612-020-00-2	<b>As Per EC Regulation 1272/2008</b> H302; H350; H411	>=0.1 - <=0.5%

Component	Classification	Concentration
Acetic acid		
CAS No. : 64-19-7 EC No. : 200-580-7 Index-No : 607-002-00-6	<b>As Per EC Regulation 1272/2008</b> H226; H314	>=90.00 - <=100.00%

Refer Section 16 for complete statement of H codes & classification.

### 4 First Aid Measures

#### 4.1 Description of first aid measures

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### **If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### **In case of skin contact**

Wash with plenty of soap and water. Consult a physician.

##### **In case of eye contact**

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

#### 4.3 Indication of immediate medical attention and special treatment needed

No data available

### 5 Fire Fighting Measures

#### 5.1 Extinguishing media

##### **Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

##### **Unsuitable extinguishing media**

No data available.

## 5.2 Special hazards arising from the substance or mixture

Carbon oxides

## 5.3 Precautions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary

## 5.4 Further information

No data available

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## 6 Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### 6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see Section 13.

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## 7 Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

**Recommended Storage Temperature** : Store between 10-30°C

### 7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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## 8 Exposure Controls/Personal Protection

### 8.1 Control parameters

Components with workplace control parameters

### 8.2 Exposure controls

#### **Appropriate engineering controls**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

#### **Personal protective equipment**

##### **Hygiene measure**

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

##### **Eye/face protection**

Tightly fitting safety goggles; Faceshield (8-inch minimum). 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 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 the standard EN 374 derived from it.

**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 respirator with multi-purpose combination (US) or type ABEK (EN 14387) 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).

**Environment exposure controls**

Do not empty into drains.

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**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance	Light pink coloured clear solution
Odour	No data available
Odour Threshold	No data available
pH	No data available
Melting/freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Flammability (Solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Water Solubility	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition Temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapour density	No data available
Thermal decomposition	No data available

**9.2 Other safety information**

No data available

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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 reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Refer Section 5.2. Other Decomposition products not known.

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**11 Toxicological Information**

**11.1 Information on toxicological effects**

***Acute toxicity***

No data available

***Skin corrosion/irritation***

No data available

***Serious eye damage/eye irritation***

No data available

***Respiratory or skin sensitisation***

No data available

***Carcinogenicity***

No data available

***Specific target organ toxicity- single exposure***

No data available

***Specific target organ toxicity - repeated exposure***

No data available

**11.2 Components**

**1-Naphthylamine**

***Acute oral toxicity***

Rat LD50: 680 mg/kg

***Acute inhalation toxicity***

No data available

***Acute dermal toxicity***

No data available

***Skin irritation***

Rabbit Result: No irritation

***Eye irritation***

Rabbit Result: Slight irritation

***Sensitisation***

No data available

***Ames test***

No data available

***Mutagenicity (mammal cell test)***

No data available

*Carcinogenicity*

No data available

*Toxicity to Reproduction*

No data available

*Teratogenicity*

No data available

**Additional information:**

RTECS: QM1400000

**Glacial acetic acid**

*Acute oral toxicity*

Mouse LD50: 4,960 mg/kg(ECHA)

*Skin irritation*

Rabbit Result: Irritations (As Per OECD Test Guideline 404)

*Eye irritation*

Rabbit Result: Irritant(As Per OECD Test Guideline 405)

*Sensitisation*

No data available

*Ames test*

Salmonella Typhimurium

Result: Negative (As Per OECD Test Guideline 471)

*Mutagenicity (mammal cell test)*

Micronucleus assay

Result: Negative (As Per EU Method B.12)

*Carcinogenicity*

No data available

*Toxicity to Reproduction*

No data available

*Teratogenicity*

No data available

**Additional information:**

RTECS AF1225000

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**12 Ecological Information**

**12.1 Toxicity**

No data available

**Components:**

**1-Naphthylamine**

*Toxicity to fish*

Oryzias latipes (Orange-red killifish) LC50: 7 mg/l; 48h(IUCLID)

*Toxicity to daphnia and other aquatic invertebrates*

Tetrahymen pyriformis EC50: 86.5 mg/l; 60h(IUCLID)

**Components:**

## **Glacial acetic acid**

### *Toxicity to fish*

Oncorhynchus mykiss(Rainbow trout)LC50: 108mg/L;96h (As per OECD Guideline 203)

### *Toxicity to aquatic invertebrates*

Daphnia magna(Water flea)EC50: 79.5mg/L;48h(As per OECD Guideline 202)

### *Toxicity to aquatic algae and cyanobacteria*

Skeletonoma costatum EC50: >300.82 mg/L;72h (As per ISO 10253)

## **12.2 Persistence and degradability**

No data available

## **12.3 Bioaccumulative potential**

No data available

## **12.4 Mobility in soil**

No data available

## **12.5 PBT and vPvB assessment**

This preparation contains no substance considered to be persistent,bioaccumulating or toxic (PBT) or a very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **12.6 Other adverse effects**

No data available

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## **13 Disposal Considerations**

### **13.1 Waste treatments methods**

#### **Product**

Offer surplus and non-recyclable solutions to a licenced disposal company. Contact a licenced professional waste disposal service to dispose off this material.

### **13.2 Contaminated packaging**

Dispose of as unused product.

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## **14 Transport Information**

### **14.1 UN-No**

ADNR : 2790 ADR : 2790 IATA\_C : 2790 IATA\_P : 2790 IMDG : 2790 RID : 2790

### **14.2 UN proper shipping name**

ADNR : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

ADR : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

IATA\_C : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

IATA\_P : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

IMDG : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

: Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

RID : Acetic acid solution, not less than 50 percent but not more than 80 percent acid, by mass.

**14.3 Transport hazard class(es)**

ADNR : 8 ADR : 8 IATA\_C : 8 IATA\_P : 8 IMDG : 8 RID : 8

**14.4 Packaging group**

ADNR : III ADR : III IATA\_C : III IATA\_P : III IMDG : III RID : III

**14.5 Environmental hazards****14.6 Special precautions for use**

No data available

**15 Regulatory Information**

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

**15.1 Safety health and environment regulations/legislation specific for the substance or mixture**

No data available

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

**16 Other information**

Text of H codes and classification mentioned in section 3

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H350	May cause cancer
H411	Toxic to aquatic life with long lasting effects

**Further Information**

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The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.