1 Identification of the substances/ mixture and of the company/ undertaking

1.1 Product Identifiers
- Product Number: R009
- Product Name: α-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
- Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086 India
- Tel. No.: +91-22-2500 0970, +91-22-2500 1607
- Fax No.: +91-22-25002468
- Mail Id: info@himedialabs.com
- Website: www.himedialabs.com

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](image)
  - 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

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Naphthylamine</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EC No.</td>
<td>205-138-7</td>
<td>As Per EC Regulation 1272/2008</td>
</tr>
<tr>
<td>Index-No</td>
<td>612-020-00-2</td>
<td>H302; H350; H411</td>
</tr>
<tr>
<td></td>
<td>&gt;=0.1 - &lt;=0.5%</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No.</td>
<td>64-19-7</td>
<td>As Per EC Regulation 1272/2008</td>
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<tr>
<td>EC No.</td>
<td>200-580-7</td>
<td>H226; H314</td>
</tr>
<tr>
<td>Index-No</td>
<td>607-002-00-6</td>
<td>&gt;=90.00 - &lt;=100.00%</td>
</tr>
</tbody>
</table>

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

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.

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.

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 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 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

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

#### 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
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.

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

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
Onchorhyncus 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

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.

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.

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

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.