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

1.1 Product Identifiers
Product Number: RM2110
Product Name: 3,4-Dichloroaniline
CAS No.: 95-76-1
Index-No.: 612-202-00-1
EC No.: 202-448-4

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Relevant identified uses
Laboratory chemicals, Manufacture of substances

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]
Serious eye damage or eye irritation, (Category 1), H318
Sensitisation, Skin, (Category 1), H317
Hazardous to the aquatic environment, acute hazard, (Category 1), H400
Hazardous to the aquatic environment, long term hazard, (Category 1), H410
Acute toxicity, Inhaled, (Category 3), H331
Acute toxicity, Dermal, (Category 3), H311
Acute toxicity, Oral, (Category 3), H301

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word: Danger
Hazard Statement(s)
H301 Toxic if swallowed
H311 Toxic in contact with skin
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H331 Toxic if inhaled
H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P311 Call a POISON CENTER or doctor/physician.

2.3 Other Hazards
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3 Composition/Information On Ingredients

3.1 Substances
Molecular Formula : Cl₂C₆H₃NH₂
Molecular Weight : 162.02
CAS No. : 95-76-1
Index-No : 612-202-00-1
EC No. : 202-448-4

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,4-Dichloroaniline</td>
<td>As Per EC Regulation 1272/2008 Acute Tox.oral. 3; Acute Tox. dermal. 3; Skin Sens. 1; Eye Dam. 1; Acute Tox. inhal. 3; Aquatic Chronic 1 H301; H311; H317; H318; H331; H410</td>
<td>&lt;= 100%</td>
</tr>
<tr>
<td>CAS No. :</td>
<td>95-76-1</td>
<td></td>
</tr>
<tr>
<td>EC No. :</td>
<td>202-448-4</td>
<td></td>
</tr>
<tr>
<td>Index-No :</td>
<td>612-202-00-1</td>
<td></td>
</tr>
</tbody>
</table>

For the full text of the H-Statements and classification mentioned in this Section, see Section 16

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
Take off contaminated clothing and shoes immediately. Wash with plenty of soap and water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact**
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

**If swallowed**
Do NOT induce vomiting. 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**
The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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, nitrogen oxides (NOx), Hydrogen chloride gas

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. Discharge into environment must be avoided.

6.3 **Methods and materials for containment and cleaning up**
Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). 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 dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2

7.2 **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*: Below 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*
Handle in accordance to general industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

*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*
Faceshield and safety goggles.

*Skin protection*
Handle with gloves.

*Body protection*
Complete suit protecting against chemicals.

*Respiratory protection*
Air-purifying respirators.

*Environment exposure controls*
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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>White to brown to grey crystals or powder or flakes or chunks or solid or mass</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>Upper/lower flammability or explosive limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</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>
</tbody>
</table>
Relative density
Water Solubility
Partition coefficient: n-octanol/water
Autoignition Temperature
Decomposition Temperature
Viscosity
Explosive properties
Oxidizing properties
Vapour density
Thermal decomposition

9.2 Other safety information
No data available

10 Stability and Reactivity
10.1 Reactivity
No data available
10.2 Chemical stability
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
Incompatible material
10.5 Incompatible materials
Acid anhydrides, Oxidizing agents
10.6 Hazardous decomposition products
Other decomposition products - refer section 5.2.
In the event of fire - refer section 5.

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
Germ cell mutagenicity
No data available
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.
Reproductive toxicity
No data available
Specific target organ toxicity - single exposure
No data available
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available

Additional Information
RTECS : BX2625000

12 Ecological Information
12.1 Toxicity
No data available

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
PBT and vPvB assessment not available Chemical safety assessment is not required
12.6 Other adverse effects
Discharge into the environment must be avoided.

13 Disposal Considerations
13.1 Waste treatments methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustive solvent and burn in chemical incinerator equipped with an afterburner and scrubber.

13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 3442  ADR : 3442  IATA_C : 3442  IATA_P : 3442  IMDG : 3442  RID : 3442

14.2 UN proper shipping name
ADNR : Dichloroanilines, solid
ADR : Dichloroanilines, solid
IATA_C : Dichloroanilines, solid
IATA_P : Dichloroanilines, solid
14.3 Transport hazard class(es)

14.4 Packaging group
ADNR : II  ADR : II  IATA_C : II  IATA_P : II  IMDG : II  RID : II

14.5 Environmental hazards
ADNR : No  ADR : No  IMDG : Marine Pollutant : Yes  IATA_C : No  IATA_P : No  RID : No

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
No data available

16 Other information
Text of H-Statements and EUH-Phrases mentioned in section 3

H301 Toxic if swallowed
H311 Toxic in contact with skin
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H331 Toxic if inhaled
H411 Very toxic to aquatic life with long lasting effects
Acute Tox.oral. 3 Acute toxicity, oral, Category 3
Acute Tox. dermal. 3 Acute toxicity, dermal, Category 3
Skin Sens. 1 Sensitisation, Skin, Category 1
Eye Dam. 1 Serious eye damage or eye irritation, Category 1
Acute Tox. inhal. 3 Acute toxicity, inhaled, Category 3
Aquatic Chronic 1 Hazardous to the aquatic environment, long term hazard, Category 1

Further Information

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