

**1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Company Name **ECP Limited**  
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|   |                    |                    |
|---|--------------------|--------------------|
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|---|--------------------|--------------------|

|                |  |             |                    |                        |                  |                              |
|----------------|--|-------------|--------------------|------------------------|------------------|------------------------------|
| <b>Product</b> | N-1-Naphthyl Ethylenediamine Dihydrochloride |             |                    | <b>Code</b>            | BR701            |                              |
| <b>CAS#</b>    | <b>HSNO#</b>                                 | <b>UN #</b> | <b>DG Class/es</b> | <b>Packing group #</b> | <b>Tracking?</b> | <b>Handlers Certificate?</b> |
| 1465-25-4      | HSR005772                                    | NA          | NA                 | NA                     | No               | No                           |

**Recommended use:** Laboratory Investigations

**2. Hazards identification**

2.1 GHS Classification

Skin irritation (Category A)

Eye irritation (Category A)

2.2 GHS Label elements, including precautionary statements



Pictogram Signal word **Warning**

Hazard statement(s)

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statement(s)

Prevention

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

2.3 Other hazards

None

**3. Composition/information on ingredients**

3.1 Substances

Formula: C<sub>12</sub>H<sub>14</sub>N<sub>2</sub> · 2HCl

Molecular Weight: 259.17 g/mol

|  |               |
|--|---------------|
| Component                                      | Concentration |
| N-2-Aminoethyl-1-naphthylamine dihydrochloride |               |
| CAS No. 1465-25-4                              | <= 100%       |

**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 off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and 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

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## 5. Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media

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

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

Carbon oxides, nitrogen oxides (NOx), hydrogen chloride gas.

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental release measures

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.

Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 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.

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. 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. Hygroscopic

Light sensitive.

## 8. Exposure controls/personal protection

### 8.1 Control parameters

Occupational Exposure Limits Table

We are not aware of any national exposure limit.

### 8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## Personal protective equipment

### Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards.

### 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.

### Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

### Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

### 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 or 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.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### a) Appearance

Form: solid

#### b) Melting point/freezing point

Melting point/range: 194 - 198 °C - dec.

## 10. Stability and reactivity

### 10.1 Conditions to avoid

Exposure to moisture.

### 10.2 Incompatible materials

Acids, acid chlorides, acid anhydrides, oxidizing agents, halogen acids.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 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.

#### Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation.

#### Potential health effects

##### Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

##### Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eyes

Causes serious eye irritation.

Additional Information RTECS: KV5330000

## 12. Disposal considerations

### 12.1 Waste treatment methods

Product

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

## 13. Transport Information Table

|      |                                 | ADR/RID –<br>European packaging<br>certification | IMDG<br>International<br>Maritime Dangerous<br>Goods Code | IATA – DGR<br>International Air Travel<br>Association – Dangerous<br>Goods Regulations |
|------|---------------------------------|--|---|--|
| 13.1 | UN Number                       | -  | -   | -  |
| 13.2 | UN Proper Shipping<br>name      | Not dangerous<br>goods.                          | Not dangerous<br>goods.                                   | Not dangerous goods.   |
| 13.3 | Transport Hazard<br>Class       | -  | -   | -  |
| 13.4 | Packaging group                 | -  | -   | -  |
| 13.5 | Environmental<br>Hazards        | No   | No  | No   |
| 13.6 | Special precautions<br>for user | None   |   |  |

## 14. Regulatory information

14.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

HSNO Approval Code: HSR005772

HSNO Group Standard Approval: HSR002596 - Laboratory Chemicals and Reagent Kits Group Standard 2006

Tracking Required: not required, not required

Approved Handler Cert.: not required, not required

## 15. Disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, the information is not a guarantee expressed or implied, with respect to such information, and we assume no liability resulting from its use. Anyone using the chemical described here should ensure that he or she has the appropriate training and has the expertise and any equipment required for safe handling. If clarification or further information is required, please contact ECP Ltd or refer to the official handler of dangerous goods within your own company. The user should also make their own investigations to determine the suitability of the product for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary

damages howsoever arising, even if the company has been advised of the possibility of such damages.

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