1. PRODUCT AND COMPANY IDENTIFICATION
Product Name: N-Methyl-4-Nitroaniline
Compound ID: AG00005T
CAS Number: 100-15-2
Identified uses: Laboratory chemicals, manufacture of chemical compounds
Company: Angene International Limited
Phone: +44 (020) 32390665

2. HAZARDS IDENTIFICATION
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, oral,(Category 3), H301
Acute toxicity, dermal,(Category 3), H311
Acute toxicity, inhalation,(Category 3), H331
Specific target organ toxicity, repeated exposure,(Category 2), H373
Hazardous to the aquatic environment, long-term hazard,(Category 2), H411
Acute toxicity, oral; acute toxicity, dermal; acute toxicity, inhalation,(Category 3), H301+H311+H331
For the full text of the H-Statements mentioned in this Section, see Section 16.

Pictogram

Signal Word danger

Hazard statements
H301 Toxic if swallowed
H311 Toxic in contact with skin
H331 Toxic if inhaled
H373 Causes damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled

Precautionary statements
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.
P309 IF exposed or if you feel unwell:
P310 Immediately call a POISON CENTER or doctor/physician.
P311 Call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.

Hazards not otherwise classified (HNOC) or not covered by GHS - none

3. COMPOSITION/INFORMATION ON INGREDIENTS
Chemical Name: N-Methyl-4-Nitroaniline
CAS Number: 100-15-2
Molecular Formula: C7H8N2O2
Molecular Weight: 152.1506 g/mol

4. FIRST AID MEASURES

Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

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.

Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2 or section 11)

Indication of any immediate medical attention and special treatment needed
no data available

5. FIREFIGHTING MEASURES

Extinguishing media 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), Hydrogen bromide gas

Advice for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Further information
no data available

6. ACCIDENTAL RELEASE MEASURES

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. For personal protection see section 8.

Environmental precautions
Do not let product enter drains.

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.

Reference to other sections
For disposal see section 13.

7. HANDLING AND STORAGE

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. For precautions see section 2.

Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)
Apart from the uses mentioned in section 1, no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

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 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.

**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**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure**

Do not let product enter drains.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

- **Appearance / Form:** solid
- **Odor:** no data available
- **Odor Threshold:** no data available
- **pH:** no data available
- **Melting point:** 149-151 °C (lit.)
- **Boiling point/range:** 294.61°C (rough estimate)
- **Evaporation rate:** no data available
- **Flash point:** no data available
- **Explosion limits:** no data available
- **Vapour density:** no data available
- **Relative density:** no data available
- **Water solubility:** no data available
- **Partition coefficient:** no data available
- **Auto-ignition temperature:** no data available
- **Decomposition Temp:** no data available
- **log Pow:** no data available
- **Viscosity:** no data available
- **Explosive properties:** no data available
- **Oxidizing properties:** no data available

**Other safety information**

- no data available

### 10. STABILITY AND REACTIVITY

- **Reactivity:** no data available
- **Chemical stability:** Stable under recommended storage conditions.
- **Possibility of hazardous reactions:** no data available
- **Conditions to avoid:** no data available
- **Incompatible materials:** no data available
- **Hazardous decomposition products:** no data available
- **In the event of fire:** see section 5

### 11. TOXICOLOGICAL INFORMATION

- **Acute toxicity:** Oral Rat LD50>11,500mg/kg
- **Dermal:** no data available
- **Skin corrosion/irritation:** no data available
- **Serious eye damage/irritation:** no data available
<table>
<thead>
<tr>
<th>Respiratory or skin sensitisation</th>
<th>The preceding data, or interpretation of data, was determined using Quantitative Structure Activity Relationship (QSAR) modeling.</th>
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<tbody>
<tr>
<td>Germ cell mutagenicity</td>
<td>no data available</td>
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<tr>
<td>Carcinogenicity:</td>
<td></td>
</tr>
<tr>
<td>IARC:</td>
<td>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.</td>
</tr>
<tr>
<td>ACGIH:</td>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.</td>
</tr>
<tr>
<td>NTP:</td>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.</td>
</tr>
<tr>
<td>OSHA:</td>
<td>No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td></td>
</tr>
<tr>
<td>Specific target organ toxicity - single exposure</td>
<td>Inhalation - May cause respiratory irritation.</td>
</tr>
<tr>
<td>Specific target organ toxicity - repeated exposure</td>
<td>no data available</td>
</tr>
<tr>
<td>Aspiration hazard</td>
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<td>Additional Information</td>
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To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### 12. ECOLOGICAL INFORMATION

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<tr>
<td>Persistence and degradability</td>
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</tr>
<tr>
<td>Bioaccumulative potential</td>
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</tr>
<tr>
<td>Mobility in soil</td>
<td>no data available</td>
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<tr>
<td>Results of PBT and vPvB assessment</td>
<td>PBT/vPvB assessment not available as chemical safety assessment not required/not conducted</td>
</tr>
<tr>
<td>Other adverse effects</td>
<td>no data available</td>
</tr>
</tbody>
</table>

### 13. DISPOSAL CONSIDERATIONS

| Waste treatment methods | Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. |
| Contaminated packaging    | Dispose of as unused product. |

### 14. TRANSPORT INFORMATION

<table>
<thead>
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<td>IATA</td>
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</tr>
<tr>
<td></td>
<td>Proper shipping name:</td>
</tr>
</tbody>
</table>

### 15. REGULATORY INFORMATION

| SARA 302: | No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. |
| SARA 313: | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. |
| SARA 311/312 Hazards | Acute Health Hazard |
| Massachusetts Right To Know Components | No components are subject to the Massachusetts Right to Know Act. |
| Pennsylvania Right To Know Components |                                                                        |
| New Jersey Right To Know Components |                                                                        |
| California Prop. 65 Components | This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. |

### 16. OTHER INFORMATION
Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.  Acute toxicity
Eye Irrit.  Eye irritation
Skin Irrit.  Skin irritation
H301  Toxic if swallowed
H311  Toxic in contact with skin
H331  Toxic if inhaled
H373  Causes damage to organs through prolonged or repeated exposure
H411  Toxic to aquatic life with long lasting effects
H301+H311+H331  Toxic if swallowed, in contact with skin or if inhaled

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Angene shall not be held liable for any damage resulting from handling or from contact with the above product. See invoice or packing slip for additional terms and conditions of sale.