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**SECTION 1 Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Identification of the product** : Raw material  
**Product code** : DOC0(204-207)  
**Trade name** : p - Aminobenzoic acid  
**EC-No** : 205-753-0  
**CAS number** : 000150-13-0  
**Formula** : C7H7NO2

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

**1.2.1 Relevant identified uses** : For research purposes only  
**1.2.2 Uses advised against** : No additional information available

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

**Company identification :** **Formedium Ltd.**  
 Unit 1B Hunstanton Commercial Park Norfolk PE365JQ  
 Tel: +44(0)1485 609069  
 Fax: +44(0)1485 600510  
 E-mail:info@formedium.com

**1.4. Emergency telephone number**

**Emergency telephone number :** Tel: +44(0)1485 609069 (local time : 9.00 to 17.00)  
 National Poison Information Centre :Europe UK : +44 0845 4647 (this service is only available to health professionals)  
 See [www.toxbase.org](http://www.toxbase.org) for a local poison centre

**SECTION 2 Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) 1272/2008**

Acute toxicity. Oral (Category 4)	H302
Skin corrosion / irritation (Category 2)	H315
Serious eye damage / eye irritation (Category 2)	H319
Skin sensitisation (Category 1)	H317
Specific target organ toxicity – Single exposure (Category 3)	H335
Respiratory tract irritation	

For the full text of the H-Statements mentioned in this section, see Section 16.

**Adverse physicochemical, human health and environmental effects.**

No additional information available.




GHS07

**2.2. Label elements**

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

**Signal Word** : Warning  
**Hazard statement(s)** : H302 Harmful if swallowed.  
 H315 Causes skin irritation  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H335 May cause respiratory irritation.

**Precautionary statement(s)** : P280 Wear protective clothing, protective gloves, face protection, eye protection.  
 P305 + 351 IF IN EYES: Rinse cautiously with water for several minutes.

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### SECTION 2 Hazards identification (continued)

Precautionary statement(s) (continued) : P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER / doctor if you feel unwell.

#### 2.3. Other hazards

No additional information available.

### SECTION 3 Composition/information on ingredients

**3.1 Substance / Preparation** :

Name: p-Aminobenzoic acid  
CAS-No.: 000150-13-0  
EC-No.: 205-753-0  
Molecular weight g/mol: 137.1 g/mol  
Structural formula: C<sub>7</sub>H<sub>7</sub>NO<sub>2</sub>

#### Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component:	Concentration	CAS No	EC No
p-Aminobenzoic acid	>= 99.0%	150-13-0	205-753-0

For the full text of the H-Statements mentioned in this Section, see section 16.

### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

**First aid measures after inhalation** : Remove person to fresh air and keep comfortable for breathing. Get medical advice / attention.

**First aid measures after skin contact** : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical advice / attention.

**First aid measures after eye contact** : Ensure adequate flushing of eyes by separating eyelids with the fingers. Get medical advice / attention.

**First aid measures after ingestion** : Rinse mouth out with water. Get medical advice / attention.

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

**Symptoms / effects** : Sleepiness  
**Symptoms / effects after inhalation** : May cause respiratory irritation.  
**Symptoms / effects after skin contact** : Irritation, Redness, Pain.  
**Symptoms / effect after eye contact** : Causes eye irritation.  
**Symptoms / effects after ingestion** : May cause irritation to the digestive tract.

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

No additional information available.

### SECTION 5 Fire-fighting measures

#### 5.1. Extinguishing media


**Suitable extinguishing media** : Water spray, alcohol resistant foam, dry chemical powder or carbon dioxide (CO<sub>2</sub>).

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

Under fire conditions, hazardous fumes will be present. : CO<sub>x</sub> NO<sub>x</sub>

#### 5.3. Advice for firefighters

**Protection during firefighting** : Use self-contained breathing apparatus and chemically protective clothing.  
**Other information** : Prevent fire fighting water from entering the environment.

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**SECTION 6 Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

**General measures** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

**6.1.1 For non-emergency personnel**  
**Protective equipment** : Wear recommended personal protective equipment.  
**Measures in case of dust release** : Use good housekeeping practices to avoid rendering dust airborne.

**6.1.2 For emergency responders**  
 No additional information available.

**6.2 . Environmental precautions**

Avoid release to the environment. Do not allow entry to drains or water courses.

**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** : Sweep up dry powder and dispose properly. This material and its container must be disposed of in a safe way, and as per local legislation.

**6.4. Reference to other sections**

For disposal see section 13.

**SECTION 7 Handling and storage**
**7.1. Precautions for safe handling**

No additional information available.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage conditions** : Store in a dry, well ventilated area. Keep container tightly closed in a dry and protected from light. Store at room temperature.

**7.3. Specific end use(s)**


For research purposes only

**SECTION 8 Exposure controls/personal protection**
**8.1. Control parameters**

No additional information available.

**8.1. Exposure controls**

Type	Material	Permeation	Thickness (mm)	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11	EN 374

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### Section 8: Exposure controls / personal protection (continued)

#### Eye protection

Safety glasses.

#### Skin and body protection

Wear suitable protective clothing.

#### Respiratory protection

Dust production Dust mask with filter type P2.

## SECTION 9 Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Molecular mass	137.1 g/mol
Colour	White to slightly yellow
Odour	Characteristic
Odour Threshold	No data available
pH	No data available
pH solution	3.5 (5g/L)
Melting point	No data available
Freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Relative evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative vapour density at 20°C	No data available
Relative density	1374 g/cm <sup>3</sup>
Water solubility	4.7 g/L
Log pow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	187 – 189 °C
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Explosive limits	No data available

### 9.2. Other safety information

No additional information available

#### Formedium Ltd.


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Fax: +44(0)1485 600510

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**SECTION 10 Stability and reactivity**
**10.1. Reactivity**

No additional information available.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

No additional information available

**10.4. Conditions to avoid**

Light (daylight). Moisture.

**10.5. Incompatible materials**

Strong oxidizers.

**10.6. Hazardous decomposition products**

When heated to decomposition, emits dangerous fumes – Carbon oxides (COx), Nitrogen oxides (NOx)

**SECTION 11 Toxicological information**
**11.1. Information on toxicological effects**

<b>Acute toxicity</b>	Oral: Harmful if swallowed. LD50 oral – Rat – 2850 mg/Kg ; LD50 oral – Rabbit -1830 mg/Kg)
<b>Skin corrosion / irritation</b>	Causes skin irritation.
<b>Serious eye damage / eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcogenicity</b>	Not classified.
<b>Specific target organ toxicity</b>	<b>Single exposure</b> – May cause respiratory irritation. <b>Repeated exposure</b> – Not classified
<b>Aspiration hazard</b>	Not classified

**SECTION 12 Ecological information**
**12.1. Toxicity**

No additional information available.

**12.2. Persistence and degradability**

No additional information available.

**12.3. Bioaccumulative potential**

No additional information available.

**12.4. Mobility in soil**

No additional information available.

**12.5. Results of PBT and vPvB assessment.**

No additional information available.

**12.6. Other adverse effects**

Other adverse effects : Moderately toxic to aquatic life.  
Avoid release to the environment. Prevent entry to sewers and public waters.

