

# MATERIAL SAFETY DATA SHEET (SDS/MSDS)

**4-ACETAMIDOPHENOL 98%**

CAS-No.: 103-90-2

Product Code: 0009A

Molecular Formula:  $C_8H_9NO_2$

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# Chemnovo

DRIVEN BY CHEMISTRY, DEFINED BY PRECISION

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

|              |   |   |
|--------------|---|---|
| Product form | : | Substance   |
| Trade name   | : | 4-Acetamidophenol 98%   |
| EC no        | : | 203-157-5   |
| CAS No       | : | 103-90-2  |
| Synonyms     | : | APAP / N-Acetyl-4-aminophenol / 4'-Hydroxyacetanilide / Acetaminophen |

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals, Manufacture of substances

#### 1.2.2. Uses advised against

No additional information available

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

Company : Chemnovo Synthesis Pvt Ltd  
N-226 Near Kumbhavali Naka  
Tarapur MIDC, Boisar-401 506  
Palghar, Maharashtra  
Telephone : +91 7400096089  
Email: export@chemnovo.in

### 1.4. Emergency telephone number

Emergency number : +91 7400096089 (9:00am - 6:00 pm)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity (oral), H302

Category 4

Skin corrosion/irritation, H315

Category 2

Serious eye damage/eye H319

irritation, Category 2

Specific target organ H335

toxicity – Single

exposure, Category 3,

Respiratory tract irritation

Full text of classification categories and H statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xn; R22

R52/53

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Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

Precautionary statements (CLP) :

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

## 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

| Name                  | Product identifier                     | %   |
|-----------------------|--|-----|
| 4-Acetamidophenol 98% | (CAS No) 103-90-2<br>(EC no) 203-157-5 | 100 |

Full text of R- and H-statements: see section 16

### 3.2. Mixture

Not applicable

## 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. If you feel unwell, seek medical advice.

First-aid measures after skin contact :

Wash with plenty of soap and water.

First-aid measures after eye contact :

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. If eye irritation

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

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

Symptoms/injuries after inhalation : May cause respiratory irritation.  
Symptoms/injuries after skin contact : Causes skin irritation.  
Symptoms/injuries after eye contact : Causes serious eye irritation.  
Symptoms/injuries after ingestion : Harmful if swallowed.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray.  
Unsuitable extinguishing media : dry chemical powder. Foam. Carbon dioxide (Co2).

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

No additional information available

### 5.3. Advice for firefighter

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Stop release.

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Large spills: scoop solid spill into closing containers.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust.  
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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

Storage conditions : Keep container tightly closed. Store in a dry place.

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dry place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

|                          |   |                                    |
|--------------------------|---|------------------------------------|
| Hand protection          | : | Protective gloves                  |
| Eye protection           | : | Chemical goggles or safety glasses |
| Skin and body protection | : | Wear suitable protective clothing  |
| Respiratory protection   | : | Wear appropriate mask              |

## SECTION 9: Physical and chemical properties

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

|  |   |                         |
|--|---|-------------------------|
| Physical state                             | : | Solid                   |
| Molecular mass                             | : | 151.16 g/mol            |
| Colour                                     | : | white.                  |
| Odour                                      | : | No data available       |
| Odour threshold                            | : | No data available       |
| pH   | : | 5.5 ( $\geq 6.5$ )      |
| Relative evaporation rate (butylacetate=1) | : | No data available       |
| Melting point                              | : | 169 - 171 °C            |
| Freezing point                             | : | No data available       |
| Boiling point                              | : | > 500 °C                |
| Flash point                                | : | No data available       |
| Auto-ignition temperature                  | : | 540 °C                  |
| Decomposition temperature                  | : | 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                           | : | No data available       |
| Density                                    | : | 1.293 g/cm <sup>3</sup> |
| Solubility                                 | : | Water: 14 g/l at 25°C   |
| Log Pow                                    | : | No data available       |
| Viscosity, kinematic                       | : | No data available       |
| Viscosity, dynamic                         | : | No data available       |
| Explosive properties                       | : | No data available       |
| Oxidising properties                       | : | No data available       |
| Explosive limits                           | : | No data available       |

### 9.2. Other information

No additional information available

**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**

Air contact. Moisture.

**10.5. Incompatible materials**

No additional information available

**10.6. Hazardous decomposition products**

No additional information available

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

|  |   |                                   |
|--|---|-----------------------------------|
| Acute toxicity                                     | : | Oral: Harmful if swallowed.       |
| Skin corrosion/irritation                          | : | Causes skin irritation.           |
| pH   | : | 5.5 ( $\geq$ 6.5)                 |
| Serious eye damage/irritation                      | : | Causes serious eye irritation.    |
| pH   | : | 5.5 ( $\geq$ 6.5)                 |
| Respiratory or skin sensitisation                  | : | Not classified                    |
| Germ cell mutagenicity                             | : | Not classified                    |
| Carcinogenicity                                    | : | Not classified                    |
| Reproductive toxicity                              | : | Not classified                    |
| Specific target organ toxicity (single exposure)   | : | May cause respiratory irritation. |
| Specific target organ toxicity (repeated exposure) | : | Not classified                    |
| Aspiration hazard                                  | : | 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 99%**

No additional information available

**12.4. Mobility in soil**

No additional information available

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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

No additional information available

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / AND

### 14.1. UN number

|               |   |                |
|---------------|---|----------------|
| UN-No. (ADR)  | : | Not applicable |
| UN-No. (IMDG) | : | Not applicable |
| UN-No.(IATA)  | : | Not applicable |
| UN-No.(AND)   | : | Not applicable |
| UN-No. (RID)  | : | Not applicable |

### 14.2. UN proper shipping name

|                             |   |                |
|-----------------------------|---|----------------|
| Proper Shipping Name (ADR)  | : | Not applicable |
| Proper Shipping Name (IMDG) | : | Not applicable |
| Proper Shipping Name (IATA) | : | Not applicable |
| Proper Shipping Name (ADN)  | : | Not applicable |
| Proper Shipping Name (RID)  | : | Not applicable |

### 14.3. Transport hazard class(es)

|                                   |   |                |
|-----------------------------------|---|----------------|
| ADR                               |   |                |
| Transport hazard class(es) (ADR)  | : | Not applicable |
| IMDG                              |   |                |
| Transport hazard class(es) (IMDG) | : | Not applicable |
| IATA                              |   |                |
| Transport hazard class(es) (IATA) | : | Not applicable |
| AND                               |   |                |
| Transport hazard class(es) (ADN)  | : | Not applicable |
| RID                               |   |                |
| Transport hazard class(es) (RID)  | : | Not applicable |

### 14.4. Packing group

|                      |   |                |
|----------------------|---|----------------|
| Packing group (ADR)  | : | Not applicable |
| Packing group (IMDG) | : | Not applicable |
| Packing group (IATA) | : | Not applicable |
| Packing group (ADN)  | : | Not applicable |
| Packing group (RID)  | : | Not applicable |

### 14.5. Environmental hazards

|                               |   |    |
|-------------------------------|---|----|
| Dangerous for the environment | : | No |
|-------------------------------|---|----|

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Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

No data available

- Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

4-Acetamidophenol 98% is not on the REACH Candidate List

4-Acetamidophenol 98% is not on the REACH Annex XIV List

#### 15.1.2. National regulations

##### Germany

AwSV/VwVwS Annex reference : Water hazard class (WGK) 1, slightly hazardous to water  
(Classification according to VwVwS, Annex 2; WGK No 1208)

12th Ordinance Implementing the Federal  
Immission Control Act - 12.BImSchV :

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the  
product

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of R-, H- and EUH-statements:

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|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4  |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2  |
| Skin Irrit. 2       | Skin corrosion/irritation, Category 2  |
| STOT SE 3           | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation   |
| H302                | Harmful if swallowed   |
| H315                | Causes skin irritation   |
| H319                | Causes serious eye irritation  |
| H335                | May cause respiratory irritation   |
| R22                 | Harmful if swallowed   |
| R52/53              | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment |
| Xn                  | Harmful  |

**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. Chemnovo Synthesis Pvt Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemnovo.in](http://www.chemnovo.in) for additional terms and conditions of sale.

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