

**SIGMA-ALDRICH****SAFETY DATA SHEET**

according to Regulation (EC) No. 1907/2006

Version 3.0 Revision Date 01.01.2009

Print Date 05.07.2010

GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING**

Product name : Phenacetin

Product Number : 77440

Brand : Aldrich

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**2. HAZARDS IDENTIFICATION****Risk advice to man and the environment**

May cause cancer. Also harmful if swallowed.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms : N-(4-Ethoxyphenyl)acetamide  
1-Acetyl-p-phenetidin  
Acetophenetidin  
4'-Ethoxyacetanilide  
p-Acetophenetidide

Formula : C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub>

Molecular Weight : 179,22 g/mol

CAS-No.	EC-No.	Index-No.	Classification	Concentration
<b>Phenacetin</b>				
62-44-2	200-533-0	-	T, R45 - R22	-

**4. 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.

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Suitable extinguishing media

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

Wear self contained breathing apparatus for fire fighting if necessary.

## Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

## Handling

Avoid exposure - obtain special instructions before use. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Personal protective equipment

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) 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 such as NIOSH (US) or CEN (EU).

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

### Safety glasses

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

## Appearance

Form crystalline

Colour                      white

**Safety data**

pH	no data available
Melting point	133 - 136 °C 133 - 136 °C
Boiling point	no data available
Flash point	no data available
Ignition temperature	no data available
Lower explosion limit	no data available
Upper explosion limit	no data available
Water solubility	no data available

**10. STABILITY AND REACTIVITY**

**Storage stability**

Stable under recommended storage conditions.

**Materials to avoid**

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

LD50 Oral - rat - 1.650 mg/kg

Remarks: Behavioral:Somnolence (general depressed activity). Cardiac:Pulse rate. Nutritional and Gross Metabolic:Changes in:Body temperature decrease.

LC50 Inhalation - mouse - 33.900 mg/m3

**Irritation and corrosion**

no data available

**Sensitisation**

no data available

**Chronic exposure**

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

IARC:                      Group 2A - Probably carcinogenic to humans (Phenacetin)

Group 1 - Carcinogenic to humans (Phenacetin)

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**Signs and Symptoms of Exposure**

Absorption into the body leads to the formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

**Potential Health Effects**

**Inhalation**  
**Skin**  
**Eyes**  
**Ingestion**  
**Target Organs**

May be harmful if inhaled. May cause respiratory tract irritation.  
May be harmful if absorbed through skin. May cause skin irritation.  
May cause eye irritation.  
Harmful if swallowed.  
Blood, Kidney, Liver,

**Additional Information**  
RTECS: AM4375000

## 12. ECOLOGICAL INFORMATION

### Elimination information (persistence and degradability)

no data available

### Ecotoxicity effects

no data available

### Further information on ecology

no data available

## 13. DISPOSAL CONSIDERATIONS

### Product

Observe all federal, state, and local environmental regulations. 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.

## 14. TRANSPORT INFORMATION

### ADR/RID

Not dangerous goods

### IMDG

Not dangerous goods

### IATA

Not dangerous goods

## 15. REGULATORY INFORMATION

### Labelling according to EC Directives

#### Hazard symbols

T

Toxic

#### R-phrases

R45

May cause cancer.

R22

Also harmful if swallowed.

#### S-phrases

S53

Avoid exposure - obtain special instructions before use.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Restricted to professional users.

## 16. OTHER INFORMATION

**Further information**

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