

# Material Safety Data Sheet

## p-Acetophenetidide, 97%

ACC# 86502

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** p-Acetophenetidide, 97%  
**Catalog Numbers:** AC216590000, AC216590010, AC216590050, AC216591000, AC216592500, AC216595000 AC216595000  
**Synonyms:** Phenacetin; 4'-Ethoxyacetanilide  
**Company Identification:**  
Acros Organics N.V.  
One Reagent Lane  
Fair Lawn, NJ 07410  
**For information in North America, call:** 800-ACROS-01  
**For emergencies in the US, call CHEMTREC:** 800-424-9300

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
62-44-2	p-Acetophenetidide	97	200-533-0

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

Appearance: white glistening crystals. solid.

**Caution!** May cause allergic skin reaction. May cause eye and skin irritation. May cause respiratory and digestive tract irritation. May cause blood abnormalities. Cancer suspect agent. May cause central nervous system depression. May cause methemoglobinemia. May cause kidney damage. May cause adverse reproductive effects based upon animal studies. May cause cancer in humans.

**Target Organs:** Blood, kidneys, central nervous system.

#### Potential Health Effects

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May produce mucosal lesions.

**Ingestion:** May cause irritation of the digestive tract. May cause kidney damage. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Methemoglobinemia is characterized by dizziness, drowsiness, headache, shortness of breath, cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood), rapid heart rate and chocolate-brown colored blood. May cause sideroblastic anemia and hemolytic anemia. May result in Stevens-Johnson syndrome. Ingestion of large amounts may cause cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood), respiratory depression and cardiac arrest.

**Inhalation:** May cause respiratory tract irritation. May cause methemoglobinemia, cyanosis (bluish discoloration of skin due to deficient oxygenation of the blood), convulsions, tachycardia, dyspnea

(labored breathing), and death.

**Chronic:** Chronic ingestion may cause effects similar to those of acute ingestion. Chronic exposure may lead to weight loss, shortness of breath, weakness, and often aplastic anemia. Experimental carcinogen.

## Section 4 - First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Notes to Physician:** Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

**Flash Point:** Not available.

**Autoignition Temperature:** Not available.

**Explosion Limits, Lower:** N/A

**Upper:** N/A

**NFPA Rating:** (estimated) Health: 1; Flammability: 1; Instability: 0

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Clean up spills immediately, observing precautions in the Protective Equipment section. Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal. Avoid generating dusty conditions. Provide ventilation.

## Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Use adequate ventilation to keep airborne concentrations low.

### Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
p-Acetophenetidide	none listed	none listed	none listed

**OSHA Vacated PELs:** p-Acetophenetidide: No OSHA Vacated PELs are listed for this chemical.

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Appearance:** white glistening crystals.

**Odor:** odorless

**pH:** Not available.

**Vapor Pressure:** < 1 mm Hg @25C

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** Not available.

**Freezing/Melting Point:** 134-135C

**Decomposition Temperature:** Not available.

**Solubility:** 1g/90ml ether - soluble in glycerol

**Specific Gravity/Density:** Not available.

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

**Molecular Weight:** 179.22

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures.

**Conditions to Avoid:** Incompatible materials, dust generation.

**Incompatibilities with Other Materials:** Strong oxidizing agents - strong acids - strong bases.

**Hazardous Decomposition Products:** Nitrogen oxides, carbon monoxide, carbon dioxide, nitrogen.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:****CAS#** 62-44-2: AM4375000**LD50/LC50:**

CAS# 62-44-2:

Inhalation, mouse: LC50 = 33900 mg/m<sup>3</sup>;

Oral, mouse: LD50 = 866 mg/kg;

Oral, rabbit: LD50 = 2500 mg/kg;

Oral, rat: LD50 = 1650 mg/kg;

**Carcinogenicity:**

CAS# 62-44-2:

- **California:** carcinogen, initial date 10/1/89
- **NTP:** Suspect carcinogen
- **IARC:** Group 2A carcinogen

**Epidemiology:** No data**Teratogenicity:** Experimental teratogen effects have been reported.**Reproductive Effects:** Experimental reproductive effects have been reported**Neurotoxicity:** Not available.**Mutagenicity:** Mutation data has been reported**Other Studies:** None available.

<b>Section 12 - Ecological Information</b>
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No information available.

<b>Section 13 - Disposal Considerations</b>
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Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**RCRA P-Series:** None listed.**RCRA U-Series:**

CAS# 62-44-2: waste number U187.

<b>Section 14 - Transport Information</b>
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	US DOT	Canada TDG
<b>Shipping Name:</b>	Please contact Fisher Scientific for shipping information	No information available.
<b>Hazard Class:</b>		
<b>UN Number:</b>		
<b>Packing Group:</b>		

<b>Section 15 - Regulatory Information</b>
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**US FEDERAL****TSCA**

CAS# 62-44-2 is listed on the TSCA inventory.

**Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

**Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

**Section 12b**

CAS# 62-44-2: Section 5

**TSCA Significant New Use Rule**

CAS# 62-44-2: This product is for research and development use only. It is subject to a SNUR which has specific requirements and restrictions. The specific citation for this product is 40CFR citation 721.5710.

**CERCLA Hazardous Substances and corresponding RQs**

CAS# 62-44-2: 100 lb final RQ; 45.4 kg final RQ

**SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

**SARA Codes**

CAS # 62-44-2: acute, chronic.

**Section 313** No chemicals are reportable under Section 313.**Clean Air Act:**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depleters.

This material does not contain any Class 2 Ozone depleters.

**Clean Water Act:**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**

None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**

CAS# 62-44-2 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

**California Prop 65****The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:**

WARNING: This product contains p-Acetophenetidide, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: CAS# 62-44-2: 300 æg/day NSRL

**European/International Regulations****European Labeling in Accordance with EC Directives****Hazard Symbols:**

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**Risk Phrases:**

R 22 Harmful if swallowed.

R 45 May cause cancer.

**Safety Phrases:**

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 53 Avoid exposure - obtain special instructions before use.

**WGK (Water Danger/Protection)**

CAS# 62-44-2: 1

**Canada - DSL/NDSL**

CAS# 62-44-2 is listed on Canada's DSL List.

**Canada - WHMIS**

This product has a WHMIS classification of D2A.

**Canadian Ingredient Disclosure List**

CAS# 62-44-2 is not listed on the Canadian Ingredient Disclosure List.

**Section 16 - Additional Information**

**MSDS Creation Date:** 10/16/1998

**Revision #3 Date:** 3/18/2003

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fisher 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 Fisher has been advised of the possibility of such damages.*