



## MATERIAL SAFETY DATA SHEET

CONTACT : **LEONID CHEMICALS**  
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4-Aminobenzoic Acid - 88313

### SECTION 1- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name:

4-Aminobenzoic Acid

Catalog Numbers:

A/2840

Synonyms:

p-Aminobenzoic acid; PABA; 1-Amino-4-carboxybenzene.

Company Information:

LEONID CHEMICALS

62/A-2 1st Stage, Yeshwanthpur Industrial Suburb

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### SECTION 2- COMPOSITION, INFORMATION ON INGREDIENTS

CAS #	:	150-13-0
Chemical Name	:	P-aminobenzoic acid
%	:	100.0 %
EINECS#	:	205-753-0
Hazard Symbols	:	None Listed.
Risk Phrases	:	None Listed.

### SECTION 3- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Cancer suspect agent.

Potential Health Effects

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

May cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Overexposure may cause methemoglobinemia.



Inhalation:

May cause respiratory tract irritation.

Chronic:

May cause reproductive and fetal effects. Cancer suspect agent.

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#### SECTION 4 - FIRST AID MEASURES

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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:

Get medical aid if irritation develops or persists. Wash clothing before reuse. Flush skin with plenty of soap and water.

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.

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 if cough or other symptoms appear.

Notes to Physician:

No information available.

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#### SECTION 5 - FIRE FIGHTING MEASURES

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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.

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#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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General Information:

Use proper personal protective equipment as indicated in Section 8.

#### Spills/Leaks:

Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

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### SECTION 7 - HANDLING AND STORAGE

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#### Handling:

Wash thoroughly after handling. Wash hands before eating. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

#### Storage:

Keep container closed when not in use. Store in a cool, dry, well-ventilated area away from incompatible substances.

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### SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

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#### Engineering Controls:

Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

#### Personal Protective Equipment

#### Eyes:

No information available.

#### 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.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	:	Solid
Color	:	White
Odor	:	No Information available.
PH	:	No Information available.
Vapor Pressure	:	0.03 mm Hg @20C
Viscosity	:	No Information available.
Boiling Point	:	No Information available.
Freezing/Melting Point	:	187 deg C
Autoignition Temperature	:	Not applicable.
Flash Point	:	Not applicable.
Explosion Limits, lower	:	No Information available.
Explosion Limits, upper	:	No Information available.
Decomposition Temperature	:	No Information available.
Solubility in water	:	Soluble in water.
Specific Gravity/Density	:	No Information available.
Molecular Formula	:	C7H7NO2
Molecular Weight	:	137.0545

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## SECTION 10 - STABILITY AND REACTIVITY

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### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Incompatible materials, dust generation.

### Incompatibilities with Other Materials:

Strong oxidizing agents. Darkens upon exposure to light, air or moisture.

### Hazardous Decomposition Products:

Carbon monoxide, oxides of nitrogen, carbon dioxide.

### Hazardous Polymerization:

Has not been reported

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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RTECS#:

CAS# 150-13-0: Dg1400000

LD50/LC50:

CAS# 150-13-0: Oral, mouse: LD50 = 2850 mg/kg; Oral, rabbit: LD50 = 1830 mg/kg;  
Oral, rat: LD50 = >6 gm/kg.

Carcinogenicity:

P-aminobenzoic acid - Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA. See actual entry in RTECS for complete information.

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## SECTION 12 - ECOLOGICAL INFORMATION

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No information available.

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## SECTION 13 -DISPOSAL CONSIDERATIONS

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Products which are considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local waste regulator for advice. Empty containers must be decontaminated before returning for recycling.

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## SECTION 14 - TRANSPORT INFORMATION

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IATA

Not regulated as a hazardous material.

IMO

Not regulated as a hazardous material.

RID/ADR

Not regulated as a hazardous material.

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SECTION 15 -REGULATORY INFORMATION

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European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

No information available.

Risk Phrases:

No information available.

Safety Phrases:

No information available.

WGK (Water Danger/Protection)

CAS# 150-13-0: 1

United Kingdom Occupational Exposure Limits

No information available.

United Kingdom Maximum Exposure Limits

No information available.

Canada

CAS# 150-13-0 is listed on Canada's DSL List.

CAS# 150-13-0 is listed on Canada's Ingredient Disclosure List.

Exposure Limits

No information available.

US FEDERAL

TSCA

CAS# 150-13-0 is listed on the TSCA inventory.

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## SECTION 16 -ADDITIONAL INFORMATION

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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 way shall the company 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 the company has been advised of the possibility of such damages.

