# SAFETY DATA SHEET

**Preparation Date:** 7/27/2015  
**Revision Date:** 10/10/2016  
**Revision Number:** G2

## 1. IDENTIFICATION

### Product identifier

<table>
<thead>
<tr>
<th><strong>Product code:</strong></th>
<th>AM150</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name:</strong></td>
<td>AMINOBENZOIC ACID, USP</td>
</tr>
</tbody>
</table>

### Other means of identification

**Synonyms:**  
- Aminobenzoic Acid  
- Benzoic acid, p-amino-/Benzoic acid, 4-amino-  
- Amben  
- gamma-Aminobenzoic acid/p-Aminobenzoic acid  
- Anticanitic vitamin  
- Anti-chromotrichia factor  
- Bacterial vitamin H1  
- P-Carbodyaniline/4-Carbodyaniline  
- Chromotrichia factor  
- PAB/PABA  
- Pabacyd  
- Pabafilm  
- Pabanol  
- Paraminol  
- Paranate  
- Romavit  
- Sunbrella  
- Trichochromogenic factor  
- Vitamin BX  
- Vitamin H'

**CAS #:** 150-13-0  
**RTECS #:** DG1500000  
**CI#:** Not available

### Recommended use of the chemical and restrictions on use

<table>
<thead>
<tr>
<th><strong>Recommended use:</strong></th>
<th>Dietary supplement. Drug. Vitamin. Manufacture of substances.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Uses advised against:</strong></td>
<td>No information available</td>
</tr>
</tbody>
</table>

**Supplier:** Spectrum Chemical Mfg. Corp  
14422 South San Pedro St.  
Gardena, CA 90248  
(310) 516-8000.

**Order Online At:** [https://www.spectrumchemical.com](https://www.spectrumchemical.com)  
**Emergency telephone number:** Chemtrec 1-800-424-9300  
**Contact Person:**  
- Martin LaBenz (West Coast)  
- Ibad Tirmiz (East Coast)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2B</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>Category 1</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

**Label elements**

**Warning**

- **Hazard statements**
  - Causes eye irritation
  - May cause an allergic skin reaction
  - May cause respiratory irritation

**Hazards not otherwise classified (HNOC)**

Not Applicable

**Other hazards**

Not available

**Precautionary Statements - Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Contaminated work clothing must not be allowed out of the workplace
- Wear protective gloves
- Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

IF ON SKIN: Wash with plenty of water

If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Precautionary Statements - Storage**

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

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>100</td>
</tr>
</tbody>
</table>

**Product code:** AM150  **Product name:** AMINOBENZOIC ACID, USP
4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops. Consult a physician if necessary.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms Causes eye irritation. Redness, pain and burns of the eyes. May cause irritation of respiratory tract. Nose and throat irritation. May cause skin irritation. May cause sensitization by skin contact. May cause digestive (gastrointestinal) tract irritation. Ingestion of large amounts may cause nausea, vomiting, abdominal pain. May cause methemoglobinemia and cyanosis. May cause central nervous system effects. Weakness.

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Carbon dioxide (CO2). Water spray, mist, or foam.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical


Specific hazards: May be combustible at high temperatures

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

**Personal Precautions:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Do not touch damaged containers or spills material unless wearing appropriate protective clothing. Remove all sources of ignition. Avoid dust formation. Avoid dispersal of dust in the air. Avoid breathing dust.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Prevent product from entering drains.

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

**Methods for containment** Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

**Methods for cleaning up** Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

**Precautions for safe handling**

**Technical Measures/Precautions:** Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Keep away from incompatible materials.

**Safe Handling Advice**
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe dust. Do not ingest. Handle in accordance with good industrial hygiene and safety practice.

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

**Technical Measures/Storage Conditions:** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials.

Store at room temperature. Protect from light. Sensitive to light. Store in light-resistant containers.

**Incompatible Materials:** Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**National occupational exposure limits**

**United States**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>5 mg/m³ TWA</td>
</tr>
</tbody>
</table>

**Canada**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada - Alberta</th>
<th>Canada - British Columbia</th>
<th>Canada - Ontario</th>
<th>Canada - Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

**Product code:** AM150  **Product name:** AMINOBENZOIC ACID, USP
Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. In case of insufficient ventilation, wear suitable respiratory equipment.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields

Skin and body protection: Chemical resistant apron. Gloves. Long sleeved clothing.

Respiratory protection: Wear respirator with dust filter. or. Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with the skin and the eyes. When using, do not eat, drink or smoke. Wear suitable gloves and eye/face protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical state:</th>
<th>Appearance:</th>
<th>Color:</th>
</tr>
</thead>
</table>

Odor: Odorless.

Taste No information available.

Flammability: No information available

Flashpoint: 159.4°C (318.92°F)

Autoignition Temperature: No information available

Lower Explosion Limit (%): No information available

Upper Explosion Limit (%): No information available

Melting point/range: 186° - 189°C (366.8° - 372.2°F)

Decomposition temperature: No information available

Boiling point/range: 340°C (644°F)

Density (g/cm3): 1.374

Specific gravity: 1.37

Evaporation rate:

Product code: AM150

Product name: AMINOBENZOIC ACID, USP
10. STABILITY AND REACTIVITY

**Reactivity**
Reactive with oxidizing agents

**Chemical stability**

**Stability:** Sensitive to light. Stable under recommended storage conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur

**Conditions to avoid:** Heat. Exposure to light. Avoid dust formation. Incompatible materials.

**Incompatible Materials:** Oxidizing agents

**Hazardous decomposition products:** Carbon oxides. Nitrogen oxides (NOx).

**Other Information**

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Principal Routes of Exposure:** Skin. Eyes. Ingestion. Inhalation.

**Acute Toxicity**

**Component Information**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No.</th>
<th>LD50/oral/rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>&gt; 6 g/kg Oral LD50 Rat</td>
</tr>
</tbody>
</table>

**Product code:** AM150  **Product name:** AMINOBENZOIC ACID, USP
LD50/oral/mouse = 2850 mg/kg oral LD50 mouse
LD50/dermal/rabbit = No information available
LD50/dermal/rat = > 6 g/kg Oral LD50
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50 information = >1 g/kg oral LD50 dog
1830 mg/kg oral LD50 rabbit

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = > 6 g/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 2850 mg/kg

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = No information available

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: May cause skin irritation. May cause sensitization by skin contact. May cause allergic contact dermatitis.

Eye Contact: Causes eye irritation. Eye contact may result in redness or pain. Symptoms may include stinging, tearing, redness.

Inhalation May cause respiratory tract irritation. May cause nose, throat, and lung irritation. Symptoms may include coughing and shortness of breath.

Ingestion Health injuries are not known or expected under normal use. May cause digestive (gastrointestinal) tract irritation. May cause Methemoglobinemia. Causes headache, poor appetite, nausea, vomiting, and fatigue. May cause central nervous system effects (affect behavior). May cause cyanosis. May cause weakness, respiratory distress, and cyanosis. It may affect the cardiovascular system (rapid or slow and irregular pulse).

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Chronic exposure may affect the liver, kidneys, and blood.

Sensitization: No information available.

Product code: AM150 Product name: AMINOBENZOIC ACID, USP
Mutagenic Effects: May affect genetic material based on animal test data.

Carcinogenic effects: Not considered carcinogenic.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td></td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity: No data is available

Reproductive Effects: May cause adverse reproductive effects based on animal data

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure: Respiratory Tract.

STOT - repeated exposure: No information available.

Target Organs: Respiratory system.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products: Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging: Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers. Dispose of as unused product.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code: AM150</td>
<td>Product name: AMINOBENZOIC ACID, USP</td>
<td>8 / 12</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14. TRANSPORT INFORMATION

DOT
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Class: No information available
Packing group: No information available
Emergency Response Guide Number: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: No Information available
Symbol(s): No information available
Description: No information available

TDG (Canada)
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No Information available
Description: No information available

ADR
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Packing Group: No information available
Subsidiary Risk: No information available

IMO / IMDG
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
Marine Pollutant: No information available

RID
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

ICAO
UN-No: Not Regulated
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available

IATA
UN-No: Not Regulated

Product code: AM150
Product name: AMINOBENZOIC ACID, USP
Proper Shipping Name: No information available
Hazard Class: No information available
Subsidiary Risk: No information available
Packing Group: No information available
ERG Code: No information available
Special Provisions: No information available

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Present</td>
<td>Present KE-01199</td>
<td>Present (3)-1454</td>
<td>Present</td>
<td>Present</td>
<td>Present</td>
<td>Present 205-753-0</td>
</tr>
</tbody>
</table>

U.S. Regulations

Aminobenzoic Acid

Minnesota - Hazardous Substance List: Present
FDA - 21 CFR - Total Food Additives: Present (Not Regulated under 21 CFR)


Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

CERCLA/SARA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

U.S. TSCA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Not Applicable</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Canada

WHMIS hazard class:
D2B Toxic materials

<table>
<thead>
<tr>
<th>Components</th>
<th>WHIMHAZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>Uncontrolled product according to WHMIS classification criteria</td>
</tr>
</tbody>
</table>

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS

Product code: AM150  Product name: AMINOGENZOOIC ACID, USP
contains all of the information required by the CPR.

### Components

<table>
<thead>
<tr>
<th>Components</th>
<th>WHMIS Ingredient Disclosure List -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>1 %</td>
</tr>
</tbody>
</table>

## Inventory

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Present</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA Schedule I - Toxic Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

### EU Classification

**R-phrase(s)**
- R36 - Irritating to eyes.
- R37 - Irritating to respiratory system.
- R43 - May cause sensitization by skin contact.

**S-phrase(s)**
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S28 - After contact with skin, wash immediately with plenty of water
- S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aminobenzoic Acid</td>
<td>150-13-0</td>
<td>No information</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The product is classified in accordance with Annex VI to Directive 67/548/EEC

### Indication of danger:
- Xi - Irritant.

**Xi**

### 16. OTHER INFORMATION

**Preparation Date:** 7/27/2015  
**Revision Date:** 10/10/2016  
**Prepared by:** Roumann Pangilinan

**Disclaimer:**

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against...
infringement of any patent, copyright or trademark is made or implied. It shall be
the user’s responsibility to develop proper methods of handling and personal
protection based on the actual conditions of use. While this SDS is based on
technical data judged to be reliable, Spectrum assumes no responsibility for the
completeness or accuracy of the information contained herein.

End of Safety Data Sheet