

## SAFETY DATA SHEET

Preparation Date: 08/28/2015

Revision date 09/03/2019

Revision Number: G2

### 1. IDENTIFICATION

**Product identifier**

**Product code:** A2305  
**Product Name:** P-AMINOPHENOL

**Other means of identification**

**Synonyms:** 1-Amino-4-hydroxybenzene  
 4-Amino-1-hydroxybenzene  
 4-Aminophenol  
 4-Hydroxyaniline  
 BASF Ursol P Base  
 Benzofur P  
 Certinal  
 Durafur Brown RB  
 Fouramine P  
 Fournine 84  
 Fournine P Base  
 Furro P Base  
 Nako Brown R  
 PAP  
 Pelagol Grey P Base  
 Pelagol P Base  
 Renal AC  
 Rodinal  
 Tertral P base  
 Unal  
 Ursol P  
 Ursol P base  
 Zoba Brown P Base  
 p-Aminofenol [Czech]  
 p-Hydroxyaniline  
 p-Hydroxyphenylamine

**CAS #:** 123-30-8  
**RTECS #** SJ5075000  
**CI#:** 76550

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

**Recommended use:** Dyeing textiles. Dyes for hair, fur, feathers. In photography. In pharmaceuticals.  
**Uses advised against** No information available

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

**Order Online At:** <https://www.spectrumchemical.com>  
**Emergency telephone number** Chemtrec 1-800-424-9300  
**Contact Person:** Tom Tyner (USA - West Coast)

**Contact Person:** Ibad Tirmiz (USA - East Coast)

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Serious eye damage/eye irritation	Category 2B
Respiratory sensitization	Category 1B
Skin sensitization	Category 1B
Germ cell mutagenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 2

### Label elements

#### **Danger**

#### **Hazard statements**

Harmful if swallowed  
Causes eye irritation  
May cause allergy or asthma symptoms or breathing difficulties if inhaled  
May cause an allergic skin reaction  
Suspected of causing genetic defects  
May cause damage to organs through prolonged or repeated exposure



#### **Hazards not otherwise classified (HNOC)**

Not Applicable

#### **Other hazards**

Not available

#### **Precautionary Statements - Prevention**

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Do not eat, drink or smoke when using this product  
Do not breathe dust  
Wear respiratory protection  
Wear protective gloves/protective clothing/eye protection/face protection  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing must not be allowed out of the workplace

#### **Precautionary Statements - Response**

*IF exposed or concerned: Get medical attention*

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 attention.

IF ON SKIN: Wash with plenty of water

If skin irritation or rash occurs: Get medical attention

Wash contaminated clothing before reuse

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell  
Rinse mouth

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS No	Weight-%
p-Aminophenol	123-30-8	100

**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 skin irritation persists, call a physician.
- 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. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes eye irritation
  - May cause an allergic skin reaction
  - May cause allergy or asthma symptoms or breathing difficulties if inhaled
  - May cause damage to organs through prolonged or repeated exposure
  - Headache
  - Dizziness
  - Fainting
  - lethargy
  - Weakness
  - Confusion
  - Disorientation
  - Seizures

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**

**Hazardous combustion products** carbon oxides. Nitrogen oxides (NOx).

**Specific hazards** May be combustible at high temperatures. When heated to decomposition it emits toxic fumes.

**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. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Avoid breathing dust. Avoid dust formation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition.

**Environmental precautions** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

**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** Use appropriate tools to put the spilled solid in a suitable waste disposal container. Neutralize with a dilute solution of acetic acid. 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. All equipment used when handling the product must be grounded. Remove all sources of ignition. Keep away from incompatible materials.

**Safe Handling Advice:**

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

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

**Technical Measures/Storage Conditions:**

Sensitive to light. Store in light-resistant containers. Air sensitive. Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of

ignition. Store away from incompatible materials.

**Incompatible Materials:**

- Acids
- Oxidizing agents

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**National occupational exposure limits**

**United States**

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
p-Aminophenol	123-30-8	None	None	None	None

**Canada**

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
p-Aminophenol	123-30-8	None	None	None	None

**Australia and Mexico**

Component	CAS No	Australia	Mexico
p-Aminophenol	123-30-8	None	None

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. 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.

**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  
Long sleeved clothing  
Gloves
- Respiratory protection:** Wear respirator with dust filter. Be sure to use an approved/certified respirator or equivalent.
- Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:**  
Solid

**Appearance:**  
Crystals.

**Color:**  
Off-white.

**Odor:**

No information available.	<b>Taste</b> No information available.	<b>Formula</b> H2NC6H4OH
<b>Molecular/Formula weight (g/mole):</b> 109.13	<b>Flammability (solid, gas)</b> no data available	<b>Flashpoint (°C/°F):</b> 195°C/ 383°F
<b>Flash Point Tested according to:</b> Not available	<b>Autoignition Temperature (°C/°F):</b> No information available	<b>Lower Explosion Limit (%):</b> No information available
<b>Upper Explosion Limit (%):</b> No information available	<b>Melting point/range(°C/°F):</b> 190°C/ 374°F	<b>Decomposition temperature(°C/°F):</b> No information available
<b>Boiling point/range(°C/°F):</b> 284°C/ 543°F	<b>Bulk density:</b> No information available	<b>Density (g/cm3):</b> 1.29
<b>Specific gravity:</b> No information available	<b>pH</b> No information available	<b>Vapor pressure @ 20°C (kPa):</b> No information available
<b>Evaporation rate:</b> No information available	<b>Vapor density:</b> No information available	<b>VOC content (g/L):</b> No information available
<b>Odor threshold (ppm):</b> No information available	<b>Partition coefficient (n-octanol/water):</b> No information available	<b>Viscosity:</b> No information available
<b>Miscibility:</b> No information available	<b>Solubility:</b> Soluble in cold water Soluble in hot water Soluble in Methanol	

## 10. STABILITY AND REACTIVITY

### Reactivity

Reactive with acids  
Reactive with oxidizing agents  
May discolor on exposure to light or air

### Chemical stability

**Stability:** Sensitive to light. Exposure to light accelerates decomposition. Sensitive to air. Stable under recommended storage conditions.

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

**Conditions to avoid:** Heat. Ignition sources. Incompatible materials. Exposure to light. Exposure to air.

**Incompatible Materials:** Acids  
Oxidizing agents

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

### Other Information

**Corrosivity:** Non-corrosive in presence of glass.

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

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

### Acute Toxicity

#### Component Information

p-Aminophenol	
CAS No	123-30-8

**LD50/oral/rat** = 375 mg/kg Oral LD50 Rat  
**LD50/oral/mouse** = 420 mg/kg  
**LD50/dermal/rabbit** = >8000 mg/kg Dermal LD50 Rabbit  
**LD50/dermal/rat** = No information available  
**LC50/inhalation/rat** = 5.91 mg/kg Inhalation LC50 Rat 1 h  
**LC50/inhalation/mouse** = No information available  
**Other LD50 or LC50 information** = No information available

#### Product Information

**LD50/oral/rat** =  
**Value - Acute Toxicity** = 375 mg/kg

**LD50/oral/mouse** =  
**Value - Acute Tox** = 420 mg/kg

**LD50/dermal/rabbit**  
**Value - Acute Toxicity** = 8000 mg/kg

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

**LC50/inhalation/rat**  
**VALUE-Vapor** = No information available  
**VALUE-Gas** = No information available  
**VALUE-Dust/Mist** = 5.91 mg/l

**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 allergic skin reaction.

**Eye Contact:** Causes eye irritation.

**Inhalation** Causes respiratory tract and mucous membrane irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause dizziness and headache. May cause muscle weakness.

**Ingestion** May cause digestive (gastrointestinal) tract irritation. May affect the liver (hepatitis) and urinary system. May cause fainting.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** No information available.

**Sensitization:** May cause sensitization by inhalation and skin contact.

**Mutagenic Effects:** Suspected mutagenic

**Carcinogenic effects:** Not considered carcinogenic.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
p-Aminophenol	123-30-8	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

*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:** No information available

**Developmental Effects:** No information available

**Teratogenic Effects:** No information available

**Specific Target Organ Toxicity**

**STOT - single exposure** No information available.

**STOT - repeated exposure** Causes damage to organs through prolonged or repeated exposure.

**Target Organs:** No information available.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Ecotoxicity effects:** Aquatic environment.

*p-Aminophenol - 123-30-8*

**Fish** LC50: =24mg/L (96h, Pimephales promelas)

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available.

**Mobility in soil** No information available

**Other adverse effects** 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

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
p-Aminophenol	123-30-8	None	None	None	None

<b>14. TRANSPORT INFORMATION</b>
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**DOT**

**UN-No:** UN2512  
**Proper Shipping Name:** Aminophenols  
**Hazard Class** 6.1  
**Subsidiary Class** No information available  
**Packing group:** III  
**Emergency Response Guide Number** 152  
**Marine Pollutant** No data available  
**DOT RQ (lbs):** No information available  
**Special Provisions** IB8, IP3, T1, TP33  
**Symbol(s):** [DOT]: (+) - Fixes the proper shipping name, hazard class and packing group for that entry without regard to whether the material meets the definition of that class, packing group or any other hazard class.  
**Description:** UN2512, Aminophenols, 6.1, III

**TDG (Canada)**

**UN-No:** UN2512  
**Proper Shipping Name:** Aminophenols  
**Hazard Class** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Marine Pollutant** No Information available  
**Description:** UN2512, Aminophenols, 6.1, III

**ADR**

**UN Number** UN2512  
**Proper Shipping Name:** Aminophenols  
**Transport hazard class(es)** 6.1  
**Packing group** III  
**Subsidiary Risk:** No information available  
**Special Provisions** 279  
**Description:** UN2512, Aminophenols, 6.1, III, ENVIRONMENTALLY HAZARDOUS

**IMDG**

**UN-No:** UN2512  
**Proper Shipping Name:** Aminophenols  
**Hazard Class:** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Marine Pollutant** No information available  
**EMS:** F-A  
**Special Provisions** 279  
**Description** UN2512, Aminophenols, 6.1, III, Marine pollutant

**RID**

**UN Number** UN2512  
**Proper Shipping Name:** Aminophenols  
**Transport hazard class(es)** 6.1

**Subsidiary Risk:** No information available  
**Packing group** III  
**Special Provisions** 279  
**Description:** UN2512, Aminophenols, 6.1, III, ENVIRONMENTALLY HAZARDOUS

**ICAO (air)**

**UN-No:** UN2512  
**Proper Shipping Name:** Aminophenols  
**Hazard Class** 6.1  
**Subsidiary Risk:** No information available  
**Packing Group:** III  
**Description:** UN2512, Aminophenols, 6.1, III  
**Special Provisions** A113

**IATA**

**UN Number** UN2512  
**Proper Shipping Name:** Aminophenols  
**Transport hazard class(es)** 6.1  
**Subsidiary Risk:** No information available  
**Packing group** III  
**Precautionary Statements - Response** 6L  
**Special Provisions** No information available  
**Description:** UN2512, Aminophenols, 6.1, III

**15. REGULATORY INFORMATION**

**International Inventories**

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
<i>p-Aminophenol</i>	123-30-8	PresentACTIVE	Present KE-01529	Present	Present (5)-3026,(3)-675	Present	Present	Present 204-616-2

**U.S. Regulations**

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**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)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
<i>p-Aminophenol</i>	123-30-8	Not Listed	Not Listed	Not Listed	Not Listed

**CERCLA/SARA**

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
<i>p-Aminophenol</i>	123-30-8	None	None	None	None	None

## U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
p-Aminophenol	123-30-8	Not Applicable	Not Applicable

## Canada

### WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: The WHMIS 2015 classification of this product has not been validated or reviewed yet.

**Canada Hazardous Products Regulation** This product has not been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

## DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
p-Aminophenol	123-30-8	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
p-Aminophenol	123-30-8	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
p-Aminophenol	123-30-8	Not listed

## EU Classification

### EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
p-Aminophenol	123-30-8	Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed. (Minimum classification); Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Germ cell mutagenicity - Muta. 2: H341 Suspected of causing genetic defects.; Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life.; Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.612-128-00-X

### EU - CLP (1272/2008)

#### R-phrases

R22 - Harmful if swallowed  
R43 - May cause sensitization by skin contact  
R42 - May cause sensitization by inhalation  
R36 - Irritating to eyes

#### S-phrases

S 7 - Keep container tightly closed.

S36 - Wear suitable protective clothing

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

Component	CAS No	Classification	Concentration Limits:	Safety Phrases
p-Aminophenol	123-30-8	Xn; R20/22 N; R50-53 Muta.Cat.3; R68	No information	

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

**Indication of danger:**

Xn - Harmful

Xn



## 16. OTHER INFORMATION

**Preparation Date:** 08/28/2015  
**Revision date** 09/03/2019  
**Prepared by:** Sonia Owen

**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**