

# SDS

## SAFETY DATA SHEET

Oakwood Products, Inc  
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Estill, SC 29918  
[www.oakwoodchemical.com](http://www.oakwoodchemical.com)

**Phone Numbers:**

Product Information	803-739-8800
Transportation Emergency	800-451-8346
Outside the USA	760-602-8700

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**MATERIAL IDENTIFICATION**NAME: **4-Aminophenol**

CAS#: [123-30-8]

CAT#: 005060

For R&amp;D use only.

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**HAZARDS IDENTIFICATION****GHS Classification**

Acute toxicity, oral (Category 4)

Acute toxicity, dermal (Category 4)

Serious eye damage/eye irritation (Category 2A)

Acute toxicity, inhalation (Category 4)

Respiratory tract irritation (Category 3)

Germ cell mutagenicity (Category 2)

Hazardous to the aquatic environment, acute hazard (Category 1)

Hazardous to the aquatic environment, long-term hazard (Category 1)

**GHS Label elements, including precautionary statements**

Pictograms



Signal Word

Warning

Hazard Statement(s)

H302

Harmful if swallowed

H312

Harmful in contact with skin

H319

Causes serious eye irritation

H332

Harmful if inhaled

H335

May cause respiratory irritation

H341

Suspected of causing genetic defects

H400

Very toxic to aquatic life

H410

Very toxic to aquatic life with long lasting effects

**Precautionary Statement(s)**

P262	Do not get in eyes, on skin, or on clothing.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312	IF SWALLOWED: call a POISON CENTER or doctor/physician IF you feel unwell.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P330	Rinse mouth.
P391	Collect spillage. Hazardous to the aquatic environment

**COMPOSITION/INFORMATION ON INGREDIENTS**

Synonyms	: 4-Hydroxyaniline
Formula	: C6H7NO
Molecular Weight	: 109.13 g/mol

CAS	Description	Concentration
123-30-8	4-Aminophenol	98%

**FIRST AID MEASURES****In case of eye contact**

Immediately flush eyes with running water for at least 15 minutes while keeping eyes open. Seek medical attention.

**In case of skin contact**

Wash thoroughly with soap and plenty of water. Seek medical attention.

**If inhaled**

Remove victim from source of exposure to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

**If swallowed**

Do not induce vomiting. Give water to victim to drink. Seek medical attention.

**FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use carbon dioxide, dry chemical powder, alcohol-resistant or polymer foam.

**Special protective equipment for fire-fighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Unusual fire and explosion hazards/decomposition of product**  
emits toxic fumes under fire conditions.

## ACCIDENTAL RELEASE MEASURES

### Personal precautions

Use personal protective equipment. Avoid breathing fumes, vapors, mists or gas. Ventilate area. Remove all sources of ignition. Evacuate personnel.

### Environmental precautions

Prevent further leakage if safe to do so.

### Methods and materials for containment and clean up

Absorb spills on sand or vermiculite and place in closed container for disposal.

## HANDLING AND STORAGE

### Precautions for safe handling

Avoid prolonged use. Avoid all direct contact with material. Do not breathe dust or vapor. Wash thoroughly after handling.

### Precautions for safe storage

Keep container tightly closed. Store in a cool, dry, well-ventilated area.

## EXPOSURE CONTROL/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

### Personal protective equipment

#### Eye/face protection

Wear protective safety goggles or face shields tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

#### Hand/skin protection

Avoid all direct contact with product.  
Wear chemical-resistant gloves.  
Wear protective clothing and boots.  
After contact with skin, wash immediately.

#### Respiratory protection

Ensure adequate ventilation during use. Approved respiratory equipment must be used when airborne concentrations are unknown or exceed the exposure limits.

## PHYSICAL AND CHEMICAL PROPERTIES

Appearance	light brown crystals
Odour	no data available
Odour Threshold	no data available
Melting point/Freezing Point	188-190°C
Boiling Point	no data available
Flash Point	195°C-closed cup

Evaporation Rate	no data available
Flammability (solid, gas)	no data available
Upper/Lower Flammability or Explosive limits	no data available
Vapour pressure	no data available
Relative Density	no data available
Solubility(ies)	no data available
Partition coefficient: n-octanol/water	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
Viscosity	no data available
Refractive Index	no data available

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## STABILITY AND REACTIVITY

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

no data available

### Conditions to avoid

no data available

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

May evolve carbon monoxide, carbon dioxide, and nitrogen oxides.

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## TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral LD50

Rat - 375 mg/kg

Remarks: Behavioral:Muscle weakness. Cyanosis Nutritional and Gross Metabolic:Changes in:Body temperature decrease.

#### Inhalation LC50

Rat - 1 h - 5.91 mg/l

#### Dermal LD50

Rabbit - > 10,000 mg/kg

#### Skin corrosion/irritation

Rabbit - Mild irritation - 24 h

#### Serious eye damage/eye irritation

Rabbit - Mild irritation

#### Respiratory or skin sensitization

no data available

**Germ cell mutagenicity**

In vitro tests showed mutagenic effects

**Carcinogenicity**

Suspected of causing cancer

**Reproductive toxicity**

no data available

**STOT-single exposure**

May cause respiratory irritation

**STOT-repeated exposure**

no data available

**Aspiration hazard**

no data available

**Exposure Routes**

Harmful to skin, eyes, and respiratory system.

May be toxic if inhaled or swallowed.

**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.

**Additional Information**

RTECS: SJ5075000

To the best of our knowledge, the health hazards of this material have not been fully investigated.

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**ECOLOGICAL INFORMATION**

**Toxicity**

Toxicity to fish:

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 1.2 mg/l - 96.0 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - *Daphnia magna* (Water flea) - 0.2 mg/l - 48 h

**Persistence and degradability**

no data available

**Bioaccumulative potential**

no data available

**Mobility in soil**

no data available

**PBT and vPvB assessment**

no data available

**Other adverse effects**

no data available

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**DISPOSAL CONSIDERATIONS**

Dissolve in or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all Federal, State and local laws.

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## TRANSPORT INFORMATION

### **DOT**

Aminophenols

6.1

UN2512 III

### **IMDG**

Aminophenols

6.1

UN2512 III

EMS-No: F-A, S-A

Marine Pollutant: No

### **IATA**

Aminophenols

6.1

UN2512 III

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## REGULATORY INFORMATION

### **SARA 302 Components**

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### **SARA 313 Components**

SARA 313: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

### **New Jersey Right to Know Components**

This product may contain a chemical on the New Jersey Right to Know Components List.

#### **CAS**

4-Aminophenol

123-30-8

### **California Prop. 65 Components**

This product does not contain a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

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## OTHER INFORMATION

Version : 1.2

Revision Date : 4/8/2019

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Oakwood shall not be held liable for any damage resulting from handling or from contact with the above product.