

# Chemical Book

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**Hot Keywords:** [18162-48-6,872-50-4,Methylene Chloride,naphthalene,THF,Titanium Dioxide](#)

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## Carbon Black(1333-86-4)

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### Product Identification

#### 【Product Name】

Carbon Black

#### 【Synonyms】

Acetylene black  
Channel black  
Furnace black

#### 【CAS】

[1333-86-4](#)

C

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#### Carbon Black(1333-86-4) More Suppliers

Company Name:	<a href="#">J &amp; K SCIENTIFIC LTD.</a>
Tel:	400-666-7788 +86-10-82848833
Fax:	+86-10-82849933
WebSite:	<a href="#">www.jkchemical.com</a>
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Company Name:	<a href="#">3B Pharmachem (Wuhan) International Co.,Ltd.</a>
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Fax:	86-21-50328109

**【Formula】**

C

**【Molecular Weight】**

12.01

**【EINECS】**

215-609-9

**【RTECS】**

FF5800000

**【RTECS Class】**

Tumorigen; Mutagen

**【Beilstein/Gmelin】**

7851 (G)

**Physical and  
Chemical  
Properties**[Back to  
Contents](#)**【Appearance】**

Extremely fine, odorless black powder.

**【Solubility in water】**

Insoluble

**【Melting Point】**

3827

**【Density】**1.8-2.1 g/cm<sup>3</sup>**【Usage】**

Used as a pigment for rubber tires, for printing, stenciling & drawing inks, for leather, stove polish, phonograph records, for electrical insulating apparatus.

**First Aid  
Measures**[Back to Contents](#)**【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】****WebSite:** [www.3bsc.com/china](http://www.3bsc.com/china)**Company Name:** [Alfa Aesar](#)**Tel:** 400-610-6006; 021-67582000**Fax:** 021-67582001/03/05**WebSite:** [www.alfachina.cn](http://www.alfachina.cn)**Company Name:** [BeiJing Hwrk Chemicals Limited](#)**Tel:** 4006990298 010-57411839 020-31335234  
021-51691807**Fax:** 010-87653215 0757-86311057 021-  
55236763**WebSite:** [www.hwrkchemical.com](http://www.hwrkchemical.com)**Company Name:** [Energy Chemical](#)**Tel:** 021-58432009 / 400-005-6266**Fax:** 021-58436166-800**WebSite:** [www.energy-chemical.com](http://www.energy-chemical.com)**Company Name:** [China Langchem Inc.](#)**Tel:** 0086-21-58956006,021-38701807;021-  
58950017**Fax:** 0086-21-58956100**WebSite:** [www.langchem.com](http://www.langchem.com)**Company Name:** [Tianjin heowns Biochemical  
Technology Co., Ltd.](#)**Tel:** 400 638 7771

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

### **【Skin】**

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

### **【Eyes】**

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

## **Handling and Storage**

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### **【Storage】**

Keep away from sources of ignition. Store in a cool, dry place. Store in a tightly closed container. Keep from contact with oxidizing materials.

### **【Handling】**

Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

## **Hazards Identification**

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### **【Inhalation】**

Dust is irritating to the respiratory tract.

### **【Skin】**

May cause skin irritation.

### **【Eyes】**

Causes eye irritation.

### **【Ingestion】**

Ingestion of large amounts may cause gastrointestinal irritation.

### **【UN (DOT)】**

1361

## **Exposure Controls/Personal Protection**

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### **【Personal Protection】**

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

<b>Fax:</b>	(022) 83717748
<b>WebSite:</b>	www.heowns.com

or European Standard EN166. Skin: Wear appropriate gloves to prevent skin exposure. Clothing: Wear appropriate protective clothing to minimize contact with skin.

### **【Respirators】**

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

### **【Exposure Effects】**

There are no human or animal reports suggesting a teratogenic potential for carbon black.

### **【Exposure limit(s)】**

OSHA PEL: TWA 3.5 mg/m<sup>3</sup> NIOSH REL: TWA 3.5 mg/m<sup>3</sup> Ca TWA 0.1 mg PAHs/m<sup>3</sup> Carbon black in presence of PAHs. See Appendix A See Appendix C NIOSH IDLH: 1750 mg/m<sup>3</sup>

### **【Poison Class】**

-

## **Fire Fighting Measures**

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### **【Autoignition】**

449

### **【Fire Fighting】**

Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dust can be an explosion hazard when exposed to heat or flame. Flammable solid. Can be easily ignited and burns vigorously. Extinguishing media: For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

### **【Fire Potential】**

Slight risk when exposed to heat or flame. Carbon black can be ignited in the presence of open flames, and burns slowly with production of carbon monoxide.

## **Accidental Release Measures**

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### **【Small spills/leaks】**

Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

## **Stability and**

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## Reactivity

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### 【Incompatibilities】

May react vigorously or violently when mixed with strong oxidizing agents such as chlorates, bromates and nitrates, especially when heated. Incompatible with chlorinated paraffins, lead oxide, manganese oxide, iron oxide, liquid oxygen, oils, and moisture. .

### 【Stability】

Stable under normal temperatures and pressures.

### 【Decomposition】

Carbon monoxide, carbon dioxide.

### 【Combustion Products】

Toxic vapors and gases (e.g. carbon monoxide) may be released in a fire involving carbon black.

## Transport Information

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### 【UN Number】

1361

### 【Hazard Class】

4.2

### 【Packing Group】

II; III

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