

# MSDS

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## Safety Technical Specification

**ProductName:** Toner cartridge

**Model:** /

**Batch No.:** /

Authorized signature



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## Safety Technical Specification

### Part 1: Chemical and enterprise identification

#### Product identification

English name of product: Toner cartridge

Model number: /

CAS No: not applicable

EC No: not applicable

Formula: not applicable

Product recommendation and limited use

Recommended use: Biological activity test.

Limit use: no special instructions.

Details of applicant and supplier

Fax: /

mail box: /

Supplier: /

Enterprise emergency telephone: /

### Part 2: Risk overview

#### Emergency overview

#### GHS risk category

This product is not listed in the list of dangerous chemicals.

#### GHS label elements

#### Pictogram

nothing

#### Signal words

nothing



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No information available.

## Precautions

### preventive measure

- P210      Keep away from heat sources / sparks / open flames / hot surfaces. No Smoking.  
P261      Avoid inhalation of dust / smoke / gas / smoke / vapour / spray.  
P272      Contaminated work clothes shall not be taken out of the workplace.  
P280      Wear protective gloves / protective clothing / goggles / masks.

### Accident response

- P363      Contaminated clothes can be reused after cleaning.  
P302 + p352      If skin is contaminated: wash thoroughly with plenty of soap and water.  
P332 + P313      In case of skin irritation: seek medical treatment.  
P333 + P313      In case of skin irritation or rash: seek medical attention.  
P362 + p364      Remove all contaminated clothes and reuse after cleaning.  
P370+P378      Fire: use carbon dioxide, dry powder or water spray to extinguish fire.  
P305 + P351 + P338      If it enters the eyes: Rinse carefully with water for a few minutes. If you wear contact lenses and can easily take them out, take out the contact lenses and continue to rinse.

### Safe storage

- P403 + P235      should be stored in a well ventilated place.

### Waste disposal

- P501      dispose of contents / containers in accordance with local / regional / national / international regulations.

### Hazard description

#### Physical and chemical hazards

Non dangerous goods.

#### Health hazards

No information available.

#### Environmental hazards

Please refer to MSDS Part 12

## Part 3: Composition / component information

Of the purest quality ☐

Mixture ☒

Component	Content	CAS
Polyester	85-95%	---
Carbon Black	1-5%	1333-86-4
Wax	1-4%	---

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Amorphous silica	1-4%	7631-86-9
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## Part 4: First aid measures

### Description of first aid measures

#### ordinary suggestion

First aid measures are usually required. Please show the MSDS to the doctor arriving at the scene. After receiving first aid measures, they were sent to the hospital for treatment if necessary.

#### Eye contact

Check and remove any contact lenses, occasionally lift the upper and lower eyelids, and immediately flush the eyes with water until the residue is removed.

The utility model provides a convenient eye washing device and a fast and safe shower, without rubbing eyes with hands.

If eye irritation develops and symptoms persist, seek medical attention.

#### Skin contact

Take off contaminated clothes and shoes and wash them with plenty of water.

If skin irritation develops and symptoms persist, seek medical attention.

#### Ingestion

Gargle with water. Move the victim to fresh air and rest in a comfortable place.

Do not induce vomiting unless directed by medical staff.

If vomiting occurs, the head should be kept low so that vomit cannot enter the lungs.

If adverse health effects persist or are severe, seek medical attention and do not feed any food to unconscious patients.

#### Inhalation

Leave the scene quickly to a fresh place to keep the respiratory tract unobstructed.

Rest in a comfortable place to breathe.

In case of dyspnea, oxygen should be inhaled by trained personnel.

If health effects persist, seek medical attention immediately.

#### First aid personnel protection

Ensure that medical staff understand the hazard characteristics of products and take self-protection measures to protect themselves and prevent the spread of pollution.

#### Advice on protecting the rescuer

Remove all fire sources and increase ventilation.

Avoid contact with skin and eyes.

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Use protective equipment, including breathing masks.

## **Description of emergency medical treatment and special treatment**

Continue to take emergency measures, according to the symptoms of targeted treatment.

## **Part 5: Fire fighting measures**

### **Fire extinguishing medium**

#### **Suitable extinguishing medium**

Use dry sand, dry chemicals or CO2 foam to extinguish fire.

#### **Unsuitable extinguishing medium**

Avoid using too strong water vapor to extinguish the fire, as it may spread and disperse the fire.

### **Special injury resulting from this substance or mixture**

This product is nonflammable and non hazardous.

### **Precautions and measures for fire fighting**

Firefighters must wear positive pressure breathing apparatus and full body fire fighting clothing to put out the fire upwind.

Keep containers / contents from fire site to open area as far as possible.

Collect and treat fire water to prevent environmental pollution.

## **Part 6: Leakage Emergency Treatment**

### **Protective measures for operators, protective equipment and emergency handling procedures**

Evacuate irrelevant personnel to a safe area. Unnecessary and unprotected personnel are strictly forbidden to enter.

Do not touch or step over spilled material to avoid slipping.

Through adequate ventilation. Wear proper respirator when ventilation is insufficient.

Emergency personnel will be equipped with appropriate personal protective equipment (see Part VIII)

### **Environmental protection measures**

Take measures to prevent further leakage or spillage while ensuring safety.

Avoid discharging into the surrounding environment.

### **Storage and removal methods of leaked chemicals and disposal materials used**

Attachments or collections should be stored in suitable closed containers and disposed of according to relevant local laws and regulations.



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## Part 7: Handling and storage

### Operation precautions

Wear appropriate personal protective equipment (see Section 8).

Provide suitable exhaust equipment. Operate in a well ventilated area.

General fire protection measures. Keep away from heat sources, sparks, open flames and hot surfaces.

Observe good hygiene procedures and habits.

When carrying, it should be loaded and unloaded lightly to prevent the package and container from being damaged.

Fire fighting equipment of corresponding variety and quantity and leakage emergency treatment equipment shall be provided.

### Storage considerations

Store according to local regulations. Store in original container.

Keep away from heat sources, sparks, open flames and hot surfaces.

Fire fighting equipment of corresponding variety and quantity and leakage emergency treatment equipment shall be provided.

## Part 8: Exposure control / personal protection

### Control parameters:

There are no known national exposure limits.

### Engineering control

Keep adequate ventilation.

Use explosion-proof electrical appliances, ventilation, lighting equipment.

Set up emergency evacuation channel and necessary danger relief area.

### Personal protective equipment

#### Eye protection

No protection is required for normal contact.

#### Hand protection

Gloves are recommended.

#### Respiratory system protection

No protection is required for normal contact.

#### Skin and body protection

No protection is required for normal contact.

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## Part 9: Physical and chemical properties

**Appearance:** solid  
**Color:** no data  
**Smell:** Odorless  
**Odor threshold:** no information  
**PH:** no data  
**Melting point / solution solid point (°C):** no data  
**Initial boiling point and boiling range (°C):** no data  
**Flash point (°C) (closed cup):** no data  
**Evaporation rate:** no data  
**Flammability:** not applicable  
**Upper / lower explosion limit [% (V / V)]:** no data available  
**Steam pressure (kPa):** no data  
**Relative vapor density (air = 1):** no data  
**Relative density (water = 1):** no data  
**Soluble:** insoluble in water  
**Partition coefficient of n-octanol / water:** no data  
**Natural temperature (°C):** no data  
**Decomposition temperature (°C):** no data  
**Kinematic viscosity (mm<sup>2</sup>gs):** no data

## Part 10: Stability and reactivity

### Reactivity

It is stable under the correct use and storage conditions.

### Stability

The chemical property of this substance is stable.

### Conditions to avoid

Incompatible substances, direct sunlight, high temperature and open fire.

### Incompatible materials

Strong oxidant.

### Hazardous decomposition products:

Under normal storage and use conditions, there will be no dangerous decomposition products.

## Part 11: Toxicological data

Net Address : [www.boende.com.cn](http://www.boende.com.cn)    E-mail: [boendejc@dingtalk.com](mailto:boendejc@dingtalk.com)    TEL: 400-1802-678  
Land Address: Omeka Creative Park, No.22, Xianshan East Road, Chengyang District,  
Qingdao

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**Acute toxicity**

No information available.

**Skin irritation or corrosion**

No information available.

**Eye irritation or corrosion**

No information available.

**Respiratory sensitization**

There is no known cause of human respiratory hypersensitivity.

**Skin sensitization**

No information available.

**Mutagenicity of biological cells**

According to the available data, products are not classified.

**Carcinogenicity**

EPA, IARC, NTP, OSHA and ACGIH have no data of carcinogenicity classification.

**Reproductive toxicity**

According to the available data, products are not classified.

**Additional harm of reproductive toxicity**

According to the available data, products are not classified.

**Specific target organ systemic toxicity - single exposure**

According to the available data, products are not classified.

**Specific target organ systemic toxicity repeated exposure**

According to the available data, products are not classified.

**Inhalation hazard:**

According to the available data, products are not classified.

## Part 12: Ecological data

**Aquatic toxicity**

**Acute aquatic toxicity**

No information available.

**Chronic aquatic toxicity**

No information available.

**Persistence and degradability**

**Degradability**

No information available.

**Bioaccumulation or bioaccumulation**



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**Bioaccumulability**

No information available.

**Mobility in soil**

**Mobility**

No information available.

**Other hazards**

No information available.

## Part13: Waste disposal

**Waste**

Refer to the relevant state, local and national regulations for correct treatment.

Avoid or reduce waste as much as possible.

**Contaminated packaging**

Avoid or reduce waste generation as much as possible.

It should be recycled. Incineration or landfill should be considered only when recycling is not feasible.

**Precautions for waste disposal**

Refer to national and local regulations for handling containers and unused contents.

## Part 14: Transportation information

**Transport rules**

According to IATA Dangerous Goods Code (63Edition), National Maritime Dangerous Goods Code (Amendment 40-20), European dangerous goods code for land transport. The product is not regulated by IATA DGR, IMDG and ADR / rid.

**Shipping labels and markings**

Nothing

**Road transport (UN-ADR)**

UN dangerous goods transport number: unrestricted goods

UN's correct shipping name: unrestricted goods

Main dangerous category of transportation: unrestricted goods

Transport secondary hazard category: None

Packing type: non restricted goods

Special provisions: None

Hazard identification code: None

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## Air transport (ICAO-IATA/DGR)

UN dangerous goods transport number: unrestricted goods  
UN's correct shipping name: unrestricted goods  
Main dangerous category of transportation: unrestricted goods  
Transport secondary hazard category: None  
Packing type: non restricted goods  
Special provisions: None  
ERG Code: None

## Shipping (IMDG-CODE)

UN dangerous goods transport number: unrestricted goods  
UN's correct shipping name: unrestricted goods  
Main dangerous category of transportation: unrestricted goods  
Transport secondary hazard category: None  
Packing type: non restricted goods  
Special provisions: None  
Marine pollutants (yes / no): no  
EMS no: no

## Part 15: Regulatory information

1. Catalogue of high toxic substances, Ministry of health notice No.142, 2003
2. List of dangerous chemicals (2015 Edition), No.5 announcement of the State Administration of work safety in 2015
3. Catalogue of hazardous chemicals under key environmental management, Document No. 33, 2014, issued by the general office of the Ministry of environmental protection
4. List of toxic chemicals with strict import and export restrictions in China, Ministry of environmental protection Announcement No. 85, 2013
5. Catalogue of explosive hazardous chemicals (2011 Edition), announcement of Ministry of public security on November 25, 2011
6. Catalogue of narcotic drugs and psychotropic drugs (2013 Edition), Notice No. 230 of the State Food and Drug Administration in 2013
7. List of China's import and export of controlled ozone depleting substances (batch 1-6), 2000-2012 series announcements of the Ministry of environmental protection
8. List of hazardous chemicals under key supervision (batch 1 and batch 2), No. 95 of 2011 and No. 12 of 2013 issued by the State Administration of work safety

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## Part 16: Other information

### Reference

1. National Cancer Research Institute
2. OECD global chemicals information platform
3. U.S. Department of transportation: emergency response guidelines
4. Gestis - database of hazardous substances in Germany
5. American Cameo chemical substances database
6. American Medical Library: chemical labeling database
7. United States Environmental Protection Agency: integrated hazard information system
8. International chemical safety program: international chemical safety card (ICSC)

### Disclaimers

All the above information is only based on our existing knowledge, and the data and materials are for reference only. Users should judge its usability according to the application requirements, especially pay attention to new and different hazards when the product is mixed with other materials, and provide necessary safety precautions according to relevant rules.

