

# Safety Data Sheet MSDS / SDS



Revision number: 1

Revision date: 09/05/2019

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## SAFETY DATA SHEET

### 1. IDENTIFICATION

**Product name:** Dibutyl Phthalate  
**Product code:** P0292  
**Company:** Jiangxi LinQ Spices Co.,Ltd.  
**Address:** Building15#,Xinghai Gardon,TianLi Square,QingYuan District, Ji'An City,JiangXi Province  
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**Revision number:** 1

### 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

**PHYSICAL HAZARDS**

Not classified

**HEALTH HAZARDS**

Skin sensitization

Category 1

Reproductive toxicity

Category 1B

Specific target organ toxicity

Respiratory tract irritation

- Single exposure [Category 3]

Specific target organ toxicity

Respiratory system

- Repeated exposure [Category 1]

**ENVIRONMENTAL HAZARDS**

Acute aquatic hazard

Category 1

Long-term aquatic hazard

Category 2

Label elements

Pictograms or hazard symbols



Signal word

Danger

Hazard statements

May cause an allergic skin reaction  
May damage fertility or the unborn child  
Causes damage to organs through prolonged or repeated exposure : Respiratory system  
May cause respiratory irritation  
Very toxic to aquatic life  
Toxic to aquatic life with long lasting effects

Precautionary statements

[Prevention]

Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Do not breathe mist, vapors or spray.  
Use only outdoors or in a well-ventilated area.  
Avoid release to the environment.  
Do not eat, drink or smoke when using this product.  
Contaminated work clothing should not be allowed out of the workplace.  
Wash hands and face thoroughly after handling.  
Wear protective gloves, protective clothing, face protection.  
IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs:

[Response]

Take off contaminated clothing. And wash it before reuse.

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

IF exposed or concerned: Get medical advice or attention.

Collect spillage.

**[Storage]**

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

**[Disposal]**

Store locked up.  
Dispose of contents and container in accordance with local, regional, national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture:	Substance
Components:	Dibutyl Phthalate
Percent:	>97.0%(GC)
CAS RN:	84-74-2
Synonyms:	DBP , Phthalic Acid Dibutyl Ester
Chemical Formula:	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>

### 4. FIRST AID MEASURES

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
Skin contact:	Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. Get medical advice/attention.
Eye contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Get medical advice/attention.
Ingestion:	Get medical advice/attention.Rinse mouth.
Protection of first-aiders:	A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Dry chemical, foam, water spray, carbon dioxide.
Unsuitable extinguishing media:	Solid streams of water
Precautions for firefighters:	Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so.
Special protective equipment for firefighters:	When extinguishing fire, be sure to wear personal protective equipment

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.
Environmental precautions:	Be careful not to let it flow into rivers, etc., since adverse effects on the environment are concerned.
Methods and materials for containment and cleaning up:	Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, saw-dust). In case of large amount of spillage, contain a spill by bunding. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Technical measures:** Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapour or mist. Wash hands and face thoroughly after handling.  
Use a closed system if possible. Use a ventilation, local exhaust if vapour or aerosol will be generated.

**Advice on safe handling:** Avoid all contact!

### Conditions for safe storage, including any incompatibilities

**Storage conditions:** Keep container tightly closed. Store in a cool, dark and well-ventilated place.  
Store locked up.  
Store away from incompatible materials such as oxidizing agents.

**Packaging material:** Comply with laws.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Install a closed system or local exhaust. Also install safety shower and eye bath.

**Exposure limits:**

**ACGIH TLV(TWA):** 5 mg/m<sup>3</sup>

**OSHA PEL(TWA):** 5 mg/m<sup>3</sup>

**Personal protective equipment**

**Respiratory protection:** Half or full facepiece respirator, self-contained breathing apparatus(SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.

**Hand protection:** Impervious gloves.

**Eye protection:** Safety goggles. A face-shield, if the situation requires.

**Skin and body protection:** Impervious protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state (20°C):** Liquid

**Form:** Clear

**Colour:** Colorless - Very pale yellow

**Odour:** Slight Aromatic

**pH:** No data available

**Melting point/freezing point:** -35°C

**Boiling point/range:** 340°C

**Flash point:** 157°C

**Flammability or explosive limits:**

**Lower:** 0.5%

**Upper:** 2.5%

**Vapour pressure:** <0.01kPa/20°C

**Vapour density:** 9.58

**Relative density:** 1.05

**Solubility(ies):**

**[Water]** Insoluble (0.001g/100mL, 25°C)

**[Other solvents]**

**Miscible:** Ether, Alcohols, Benzene, Acetone

**Log Pow:** 4.5

**Autoignition temperature:** 402°C

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under proper conditions.

**Possibility of hazardous reactions:** No special reactivity has been reported.

**Incompatible materials:** Oxidizing agents, Strong acids, Halogens

**Hazardous decomposition products:** Carbon dioxide, Carbon monoxide

**11. TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity:</b>	orl-rat LD50:7499 mg/kg skn-rbt LD50:>20 mL/kg ihl-rat LC50:4250 mg/m <sup>3</sup> ipr-rat LD50:4 g/kg
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/irritation:</b>	No data available
<b>Germ cell mutagenicity:</b>	cyt-ham-fbr 30 mg/L/24H dnd-hmn-oth 216 umol/L/60M mmo-sat 100 ug/plate (+S9) orl-mus TDLo:219 g/kg/1Y-C
<b>Carcinogenicity:</b>	No data available
<b>IARC =</b>	No data available
<b>NTP =</b>	No data available
<b>Reproductive toxicity:</b>	orl-rat TDLo:501 mg/kg (10D preg) orl-rat TDLo:66 mg/kg (multigenerations) orl-rat TDLo:2520 mg/kg (1-21D preg) ipr-rat TDLo:1017 mg/kg (5-15D preg)
<b>RTECS Number:</b>	TI0875000

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	
<b>Fish:</b>	96h LC50:0.35 mg/L (Perca flavescens) 96h LC50:2.8 mg/L (Oryzias latipes) 99d NOEC:0.1 mg/L (Oncorhynchus mykiss)
<b>Crustacea:</b>	48h EC50:4.8 mg/L (Daphnia magna) 10d NOEC:0.1 mg/L (Gammaru pulex)
<b>Algae:</b>	72h EC50:2.7 mg/L (Selenastrum capricornutum)
<b>Persistence / degradability:</b>	69 % (by BOD) , 100 % (by UV-VIS) , 100 % (by GC)
<b>Bioaccumulative potential(BCF):</b>	3.1 - 21.2 (conc. 0.05 ppm) , <176 (conc. 0.015 ppm)
<b>Mobility in soil</b>	
<b>Log Pow:</b>	4.5
<b>Soil adsorption (Koc):</b>	No data available
<b>Henry's Law (PaM<sup>3</sup>/mol):</b>	0.183

**13. DISPOSAL CONSIDERATIONS**

Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

**14. TRANSPORT INFORMATION**

<b>Hazards Class:</b>	9: Miscellaneous dangerous goods.
<b>UN-No:</b>	3082
<b>Proper shipping name:</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Packing group:</b>	III
<b>Marine pollutant</b>	Y

**15. REGULATORY INFORMATION**

**Regulations on the Control over Safety of Dangerous Chemicals (State Council announces on January 26, 2002 and revised on February 16,2011):** Safe use and production, the storage of a dangerous chemical, transport, loading and unloading were prescribed.

This SDS was prepared sincerely on the basis of the information we could obtained, however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. The products are supposed to be used promptly after purchase in consideration of safety. Some new information or amendments may be added afterwards. If the products are to be used far behind the expected time of use or you have any questions, please feel free to contact us. The stated cautions are for normal handling only. In case of special handling, sufficient care should be taken, in addition to the safety measures suitable for the situation. All chemical products should be treated with the recognition of "having unknown hazards and toxicity", which differ greatly depending on the conditions and handling when in use and/or the conditions and duration of storage. The products must be handled only by those who are familiar with specialized knowledge and have experience or under the guidance of those specialists throughout use from opening to storage and disposal. Safe usage conditions shall be set up on each user's own responsibility.