

## SECTION 1: Identification

|              |                    |
|--------------|--------------------|
| Product name | Phosphate<br>DX511 |
|--------------|--------------------|

|                      |   |
|----------------------|---|
| Identified uses      | industrial and scientific research use. |
| Uses advised against | no data available                       |

|           |   |
|-----------|---|
| Company   | Dexu New Material (Guangzhou) Co., Ltd;   |
| Address   | Provided by dxchem.cn.For reference only; |
| Telephone | 020-82118890;                             |

|                        |   |
|------------------------|---|
| Emergency phone number | 020-82118890;   |
| Service hours          | Monday to Friday, 9am-5pm (Standard time zone:UTC/GMT+8 hours ) |

|                    |                   |
|--------------------|-------------------|
| Product definition | mixture substance |
|--------------------|-------------------|

|                            |                |
|----------------------------|----------------|
| Pictogram(s)               | No symbol      |
| Signal word                | No signal word |
| Hazard statement(s)        | none           |
| Precautionary statement(s) |                |
| Prevention                 | none           |
| Response                   | none           |
| Storage                    | none           |
| Disposal                   | none           |

## no data available

| Chemical name | CAS number | Molecular formula |
|---------------|------------|-------------------|
| Phosphate     | —          | —                 |

#### 4.1 Description of necessary first-aid measures



**If inhaled**

Fresh air, rest.

**Following skin contact**

Rinse and then wash skin with water and soap.

**Following eye contact**

First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then refer for medical attention.

**Following ingestion**

Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

**4.2 Most important symptoms/effects, acute and delayed**

Industrial use of compound involves no known hazards. Ingestion causes mild irritation of mouth and stomach. Contact with eyes or skin causes mild irritation.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Immediate first aid: Ensure that adequate decontamination has been carried out. If patient is not breathing, start artificial respiration, preferably with a demand-valve resuscitator, bag-valve-mask device, or pocket mask, as trained. Perform CPR as necessary. Immediately flush contaminated eyes with gently flowing water. Do not induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Keep patient quiet and maintain normal body temperature. Obtain medical attention. Organic acids and related compounds.

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**SECTION 5: Fire-fighting measures**

**5.1 Suitable extinguishing media**

Use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Water spray may be used to flush spills away from exposures.

**5.2 Specific hazards arising from the chemical**

The chemical is combustible.

**5.3 Special protective actions for fire-fighters**

Use water spray, powder, foam, carbon dioxide.

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**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Collect leaking and spilled liquid in covered containers as far as possible. Wash away remainder with plenty of water.

**6.2 Environmental precautions**

Collect leaking and spilled liquid in covered containers as far as possible. Wash away remainder with plenty of water.

**6.3 Methods and materials for containment and cleaning up**

Cover with soda ash or sodium bicarbonate. Mix and add water. Neutralize and drain into a drain with sufficient water.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

No open flames. Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.

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

Separated from strong bases. Keep containers closed and store in cool and dark places.

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational Exposure limit values

no data available

Biological limit values

no data available

### 8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

### 8.3 Individual protection measures, such as personal protective equipment

Eye/face protection

Water safety spectacles.

Skin protection

Protective gloves

Respiratory protection

Use local exhaust

Thermal hazards

no data available

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## SECTION 9: Physical and chemical properties and safety characteristics

Physical state            Liquid

Colour                    Pale yellow to colorless transparent liq

Odour                    no data available

Melting point/freezing point                    no data available

Boiling point or initial boiling point and boiling range                    no data available

Flammability                    non-combustible

Lower and upper explosion limit/flammability limit                    no data available

Flash point                    no data available

Auto-ignition temperature                    no data available

Decomposition temperature                    no data available

pH                            1.5-3.5

Solubility                    soluble in water

Density                    1.19

Particle characteristics                    no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific reactivity was reported.

### 10.2 Chemical stability

Generally stable.

### 10.3 Conditions to avoid

Oxidant

### 10.4 Dangerous decomposition products

carbon monoxide, carbon dioxide, phosphorus oxide.

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## SECTION 11: Toxicological information

Acute toxicity

Inhalation : no data available

Dermal: no data available

Skin corrosion/irritation



no data available  
**Serious eye damage/irritation**  
no data available  
**Respiratory or skin sensitization**  
no data available  
**Germ cell mutagenicity**  
no data available  
**Carcinogenicity**  
no data available  
**Reproductive toxicity**  
no data available  
**STOT-single exposure**  
The substance is mildly irritating to the eyes and skin.  
**STOT-repeated exposure**  
no data available

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## SECTION 12: Ecological information

- 12.1 **Toxicity**  
no data available
- 12.2 **Presistence and degradability**  
no data available
- 12.3 **Bioaccumulative potential**  
no data available
- 12.4 **Mobility in soil**  
no data available
- 12.5 **Other adverse effects**  
no data available

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## SECTION 13: Disposal considerations

### 13.1 Disposal methods

#### Product

The material can be disposed of by remove to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.

#### Contaminated packaging

Containers can be triply rinsed and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

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## SECTION 14: Transport information

- 14.1 **UN Number**
- 14.2 **UN Proper Shipping Name**
- 14.3 **Transport hazard class(es)**
- 14.4 **Packing group, if applicable**
- 14.5 **Environmental hazards**  
ADR/RID: No IMDG: No IATA:No
- 14.6 **Special precautions for user**  
no data available
- 14.7 **Transport in bulk according to IMO instruments**  
no data available



## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations specific for the product in question

| Chemical name   | CAS number |
|---|------------|
| Phosphate   | —          |
| European Inventory of Existing Commercial Chemical Substances | Listed     |
| EC Inventory  | Listed     |
| United States Toxic Substance Control Act Inventory           | Listed     |
| China Catalog of Hazardous chemicals 2015                     | Not listed |
| New Zealand Inventory of Chemicals                            | Listed     |
| Philippines Inventory of Chemicals and Chemical Substances    | Listed     |
| Vietnam National Chemical Inventory                           | Listed     |
| Chinese Chemical Inventory of Existing Chemical Substances    | Listed     |
| Korea Existing Chemicals List                                 | Listed     |
|   |            |

## SECTION 16: Other information

### Information on revision

Create Date July 15,2024

Revision Date July 15,2024

### Other information

The substance can be absorbed by ingestion, but no harmful effects have been found.

Any questions regarding this SDS, Please send your inquiry to  
service@dxchem.cn

Disclaimer: The above information is believed to be correct but does not purport to all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.