



**DESIGN REPORT OF SAFETY DATA SHEET**

No.: 220100320410124ES2

Date: Mar.30,2022

<b>Name of the sample</b>	Benzene Phosphinic Acid		
<b>Applicant</b>	Jinta Yudi Pharmaceutical Technology Co., LTD		
<b>Supplier</b>	Jinta Yudi Pharmaceutical Technology Co., LTD		
<b>Composition of the sample</b>	Benzene Phosphinic Acid: 99%		
<b>Warranty of Design</b>	GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) Ninth revised edition		
Design Result of SDS please see next page.			
<b>Designer</b>	孙越越	<b>Approver</b>	<p><i>For and on behalf of</i> CCIC JIANGSU CO., LTD. 中国检验认证集团江苏有限公司</p> <p style="text-align: right;">王珍</p> <p>4 ..... 授权签字人 Authorized Signature (s)</p>



Notes: This SDS is valid before the implementation of the Tenth revised edition GHS.THIS CERTIFICATE SUBSTITUTES CERTIFICATE NO.:220100320410124E,NO.:220100320410124ES1.



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## Section 1 Product and Company Identification

### > Product Identifier

Product Name	Benzene Phosphinic Acid
Synonyms	-
CAS No.	1779-48-2
EC No.	217-217-3
Molecular Formula	C <sub>6</sub> H <sub>7</sub> O <sub>2</sub> P

### > Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Please consult manufacturer.
Uses Advised Against	Please consult manufacturer.

### > Details of the Supplier of the Safety Data Sheet

Applicant Name	Jinta Yudi Pharmaceutical Technology Co., LTD
Application Address	Beihewan Recycling Industrial Park Jinta County Jiuquan City Gansu Province
Applicant Post Code	735300
Applicant Telephone	+86-937-44568055
Applicant Fax	—
Applicant E-mail	ycmanke@163.com
Supplier Name	Jinta Yudi Pharmaceutical Technology Co., LTD
Supplier Address	Beihewan Recycling Industrial Park Jinta County Jiuquan City Gansu Province
Supplier Post Code	735300
Supplier Telephone	+86-937-44568055
Supplier Fax	—
Supplier E-mail	ycmanke@163.com

### > Emergency Phone Number

Emergency Phone Number	+86-937-44568055
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## Section 2 Hazards Identification

Hazard class and label elements of the product according to GHS (the ninth revised edition):

### > GHS Hazard Class

Acute Toxicity – Oral Category 4





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**Skin Corrosion/Irritation** Category 1  
**Eye Damage/Irritation** Category 1

## > GHS Label Elements



Signal Word **Danger**

## > Hazard Statements

H302 Harmful if swallowed  
H314 Causes severe skin burns and eye damage  
H318 Causes serious eye damage

## > Precautionary Statements

### Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P264+P265 Wash hands and other contact area thoroughly after handling. Do not touch eyes.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

### Response

P316 Get emergency medical help immediately.  
P317 Get medical help.  
P321 Specific treatment (see measures on this label).  
P330 Rinse mouth.  
P363 Wash contaminated clothing before reuse.  
P301+P317 IF SWALLOWED: Get medical help.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+P361+P354 IF ON SKIN: Take off immediately all contaminated clothing. Immediately rinse with water for several minutes.  
P305+P354+P338 IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### Storage

P405 Store locked up.

### Disposal

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.



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## Section 3 Composition/Information on Ingredients

Component	CAS No.	EC No.	Concentration (weight percent, %)
Benzene Phosphinic Acid	1779-48-2	217-217-3	99

## Section 4 First Aid Measures

### > Description of First Aid Measures

<b>General Advice</b>	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Skin Contact</b>	Take off contaminated clothing and shoes immediately. Wash off with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
<b>Inhalation</b>	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
<b>Protecting of First-aiders</b>	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

### > Most Important Symptoms and Effects, both Acute and Delayed

- 1 Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.

### > Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1 Treat symptomatically.
- 2 Symptoms may be delayed.

## Section 5 Fire Fighting Measures

### > Extinguishing Media

<b>Suitable Extinguishing Media</b>	Dry chemical, carbon dioxide or alcohol-resistant foam.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter or spread fire.

### > Specific Hazards Arising from the Substance or Mixture

- 1 Fire may produce irritating, poisonous or corrosive gases.
- 2 Containers may explode when heated.
- 3 Fire exposed containers may vent contents through pressure relief valves.
- 4 May expansion or decompose explosively when heated or involved in fire.





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## > Advice for Firefighters

- 1 As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
- 2 Fight fire from a safe distance, with adequate cover.
- 3 Prevent fire extinguishing water from contaminating surface water or the ground water system.

## Section 6 Accidental Release Measure

## > Personal Precautions, Protective Equipment and Emergency Procedures

- 1 Ensure adequate ventilation. Remove all sources of ignition.
- 2 Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 3 Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

## > Environmental Precautions

- 1 Prevent further leakage or spillage if safe to do so.
- 2 Discharge into the environment must be avoided.

## > Methods and Materials for Containment and Cleaning Up

- 1 Absorb spilled material in dry sand or inert absorbent. In case of large amount of spillage, contain a spill by bunding.
- 2 Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
- 3 Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

## Section 7 Handling and Storage

## > Precautions for Handling

- 1 Handling is performed in a well ventilated place.
- 2 Wear suitable protective equipment.
- 3 Avoid contact with skin and eyes.
- 4 Keep away from heat/sparks/open flames/ hot surfaces.
- 5 Take precautionary measures against static discharges.

## > Precautions for Storage

- 1 Keep containers tightly closed.
- 2 Keep containers in a dry, cool and well-ventilated place.
- 3 Keep away from heat/sparks/open flames/ hot surfaces.
- 4 Store away from incompatible materials and foodstuff containers.

## Section 8 Exposure Controls/Personal Protection

## > Control Parameters





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## Occupational Exposure Limit Values

No information available

## Biological Limit Values

No information available

## Monitoring Methods

- 1 EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2 GBZ/T 160 Determination of toxic substances in workplace air(Series effective standard)and GBZ/T 300 Determination of toxic substances in workplace air(Series standard).

## > Engineering Controls

- 1 Ensure adequate ventilation, especially in confined areas.
- 2 Ensure that eyewash stations and safety showers are close to the workstation location.
- 3 Use explosion-proof electrical/ventilating/lighting/equipment.
- 4 Set up emergency exit and necessary risk-elimination area.

## > Personal Protection Equipment

<b>Eye Protection</b>	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH (US).
<b>Hand Protection</b>	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU),US F739 or AS/NZS 2161.1 standard.
<b>Respiratory protection</b>	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
<b>Skin and Body Protection</b>	Wear fire/flame resistant/retardant clothing and antistatic boots.

## Section 9 Physical and Chemical Properties

<b>Appearance:</b> White particles and powder	<b>Odor:</b> No information available
<b>Odor Threshold:</b> No information available	<b>pH:</b> No information available
<b>Melting Point/Freezing Point (°C):</b> 85	<b>Initial Boiling Point and Boiling Range (°C):</b> No information available
<b>Flash Point (°C)( Closed Cup):</b> Not applicable	<b>Evaporation Rate:</b> Not applicable
<b>Flammability:</b> No information available	<b>Upper/lower explosive limits[%(v/v)]:</b> Upper limit: No information available; Lower limit: No information available
<b>Vapor Pressure (KPa):</b> Not applicable	<b>Relative Vapour Density(Air=1):</b> Not applicable
<b>Relative Density(Water=1):</b> No information available	<b>Solubility:</b> Partly miscible with water
<b>n-Octanol/Water Partition Coefficient:</b> No information available	<b>Auto-Ignition Temperature(°C):</b> No information available
<b>Decomposition Temperature (°C):</b> No information available	<b>Kinematic Viscosity (mm<sup>2</sup>/s):</b> Not applicable
<b>Particle characteristics:</b> No information available	

## Section 10 Stability and Reactivity



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<b>Reactivity</b>	Contact with incompatible substances can cause decomposition or other chemical reactions.
<b>Chemical Stability</b>	Stable under proper operation and storage conditions.
<b>Possibility of Hazardous Reactions</b>	No information available
<b>Conditions to Avoid</b>	Incompatible materials, heat, flame and spark.
<b>Incompatible Materials</b>	No information available
<b>Hazardous Decomposition products</b>	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11 Toxicological Information

### > Acute Toxicity

Component	CAS No.	LD <sub>50</sub> (Oral)	LD <sub>50</sub> (Dermal)	LC <sub>50</sub> (Inhalation, 4h)
Benzene Phosphinic Acid	1779-48-2	1345mg/kg(Rat)	No information available	No information available

### > Skin Corrosion/Irritation

Causes severe skin burns and eye damage(Category 1)(Benzene Phosphinic Acid)

### > Serious Eye Damage/Irritation

Causes serious eye damage(Category 1)(Benzene Phosphinic Acid)

### > Skin Sensitization

No information available

### > Respiratory Sensitization

No information available

### > Germ Cell Mutagenicity

No information available

### > Carcinogenicity

ID	CAS No.	Component	IARC	NTP
1	1779-48-2	Benzene Phosphinic Acid	Not Listed	Not Listed

### > Reproductive Toxicity

No information available

### > Reproductive Toxicity (Additional)





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No information available

## > STOT-Single Exposure

No information available

## > STOT-Repeated Exposure

No information available

## > Aspiration Hazard

No information available

## Section 12 Ecological Information

### > Acute Aquatic Toxicity

No information available

### > Chronic Aquatic Toxicity

No information available

### > Others

**Persistence and Degradability**

No information available

**Bioaccumulative Potential**

No information available

**Mobility in Soil**

No information available

**Results of PBT and vPvB Assessment**

Benzene Phosphinic Acid does not meet the criteria for PBT and vPvB according to Regulation (EC) No 1907/2006, annex XIII.

## Section 13 Disposal Considerations

**Waste Chemicals Contaminated Packaging Disposal Recommendations**

Before disposal should refer to the relevant national and local laws and regulation. Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible. Refer to Waste chemicals and Contaminated packaging.

## Section 14 Transport Information

Transporting Label



Marine pollutant

No

UN Number

3261





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<b>UN Proper Shipping Name</b>	CORROSIVE SOLID,ACIDIC,ORGANIC,N.O.S.
<b>Transport Hazard Class</b>	8
<b>Transport Subsidiary Hazard Class</b>	NONE
<b>Packing Group</b>	III

## Section 15 Regulatory Information

### > International Chemical Inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS	ENCS
Benzene Phosphinic Acid	√	√	√	√	×	×	√	×	×

[EINECS] European Inventory of Existing Commercial Chemical Substances.

[TSCA] United States Toxic Substances Control Act Inventory.

[DSL] Canadian Domestic Substances List.

[IECSC] China Inventory of Existing Chemical Substances.

[NZIoC] New Zealand Inventory of Chemicals.

[PICCS] Philippines Inventory of Chemicals and Chemical Substances.

[KECI] Existing and Evaluated Chemical Substances.

[AICS] Australia Inventory of Chemical Substances.

[ENCS] Existing And New Chemical Substances.

#### Note

"√" Indicates that the substance included in the regulations

"×" That no data or included in the regulations

## Section 16 Additional Information

<b>Creation Date</b>	Jan.7,2022
<b>Revision Date</b>	Mar.30,2022
<b>Reason for Revision</b>	Change product name

### > Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



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## Terms of the Using of the Report



1. The report is issued by CCIC according to the information of the chemicals and the information of its shipping provided by the applicant (shipper or his agent).
2. According to the demand of this SDS, CCIC requires the applicant to provide true and exact sample and data.
3. Information from applicant is the key of this SDS, so CCIC will not respond for the wrong of applicant.
4. Unless otherwise stated, the results shown in this test report refer only to the sample(s) tested.
5. This report will be effective only after it is signed by the inspector, approver and stamped by CCIC.
6. CCIC guarantees the objectivity and fairness of this report, and carries out confidentiality obligations on business secrets such as business information, technical documents and so on.
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8. The report is invalid when anything of the following happens-illegal transfer, embezzlement, imposture, modification or tampering in any media form.