

# **MATERIAL SAFETY DATA SHEET**

## Section 1 -Product and Company Identification

Product name: Applicant name: Fax: Emergency phone number: Diphenylphosphinic chloride MHX (Changzhou) Biotech Limited +86 519 88721515 +86 519 88721112

## Section 2 – Hazards Identification

Label elements of the substance according to GHS(the fourth revised edition): Pictogram

	<b>v v</b>
Signal	Danger
Hazardstatement(s)	H226 Flammable liquid and vapour.
	H314 Causes severe skin burns and eye
	damage.
Precautionary statements	P280 Wear protective gloves/ protective
	clothing/ eye protection/ face protection.
Precautionary statements	

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/ physician.

### Section 3 – Composition/Information on Ingredients

Component	Concentration	CAS No.	EC No.
Diphenylphosphinic	Commercial secret	1499-21-4	216-107-2
chloride			

Synonyms: Chlorodiphenylphosphine oxide

#### Section 4 – First Aid Measures

General advice:	Consult a physician. Show this safety data
	sheet to the doctor in attendance.
After skin contact:	Take off contaminated clothing and shoes
	immediately. Wash off with soap and plenty
	of water. Consult a physician.
After eye contact:	Rinse thoroughly with plenty of water for at
	least 15 minutes and consult a physician.
After ingestion:	Do NOT induce vomiting. Never give
	anything by mouth to an unconscious
	person. Rinse mouth with water. Consult a
	physician.
After inhalation:	If breathed in, move person into fresh air. If
	not breathing, give artificial respiration.
	Consult a physician.



# **Section 5 – Fire Fighting Measures**

Hazardous products of combustion:	Carbon oxides, Oxides of phosphorus,
	Hydrogen chloride gas.
Extinguishing method:	For small (incipient) fires, use media such
	as "alcohol" foam, dry chemical, or carbon
	dioxide. For large fires, apply water from as
	far as possible. Use very large quantities
	(flooding) of water applied as a mist or
	spray; solid streams of water may be
	ineffective. Cool all affected containers with
	flooding quantities of water.
Special protective equipment :	Wear self contained breathing apparatus for fire fighting if necessary.

### Section 6 – Accidental Release Measure

Personal precautions:	Use personal protective equipment. Avoid
	breathing vapors, mist or gas. Ensure
	adequate ventilation.Remove all sources of
	ignition. Evacuate personnel to safe areas.
	Beware of vapours accumulating to form
	explosive concentrations. Vapours can
	accumulate in low areas.
Environmental precautions:	Prevent further leakage or spillage if safe to
	do so. Do not let product enter drains.
Methods for cleaning up:	Contain spillage, and then collect with an
	electrically protected vacuum cleaner or by
	wet-brushing and place in container for
	disposal according to local regulations.

## Section 7 –Handling and Storage

Handling:	Avoid inhalation of vapour or mist.
	Keep away from sources of ignition - No
	smoking.Take measures to prevent the build
	up of electrostatic charge.
Storage:	Nitrogen protection, Keep container tightly
	closed in a dry and well-ventilated place.
	Containers which are opened must be
	carefully resealed and kept upright to
	prevent leakage.
	Moisture sensitive.

## **Section 8 – ExposureControls, Personal Protection**

Respiratory protection:	Where risk assessment shows air-purifying
	respirators are appropriate use a full-face
	respirator with multi-purpose combination



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	(US) or type ABEK (EN 14387) respirator
	cartridges as a backup to engineering
	controls. If the respirator is the sole means
	of protection, use a full-face supplied air
	respirator. Use respirators and components
	tested and approved under appropriate
	government standards such as NIOSH (US)
	or CEN (EU).
Eye protection:	Tightly fitting safety goggles. Faceshield
	(8-inch minimum). Use equipment for eye
	protection tested and approved under
	appropriate government standards such as
	NIOSH (US) or EN 166(EU).
Body protection:	Protective work clothing
Hand Protection:	Handle with gloves. Gloves must be
	inspected prior to use. Use proper glove
	removal technique (without touching glove's
	outer surface) to avoid skin contact with this
	product. Dispose of contaminated gloves
	after use in accordance with applicable laws
	and good laboratory practices.
	Wash and dry hands.
	The selected protective gloves have to
	satisfy the specifications of EU Directive
	89/686/EEC and the standard EN 376
	derived from it.
Body Protection:	Complete suit protecting against chemicals,
	Flame retardant antistatic protective
	clothing, The type of protective equipment
	must be selected according to the
	concentration and amount of the
	dangerous substance at the specific
	workplace.
Other protection:	Handle in accordance with good industrial
	hygiene and safety practice. Wash hands
	before breaks and at the end of workday.

# Section 9 – Physical and Chemical Properties

No data available
e density (g/cm3) : 1,24 g/cm3 at
e density of steam distillation
L): No data available
f combustion(kJ/mol):
a available
l pressure (Mpa) :



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	No data available
<b>Ignition temperature</b> $(^{\circ}\mathbb{C})$ : No data available	Upper explosive limit% (V/V) :
	No data available
Partition coefficient octanol/water:	Lower explosive limit% $(V/V)$ :
No data available	No data available

### Section 10 – Stability and Reactivity

Stability:	No data available.
Substances to avoid:	Strong bases, Strong oxidizing agents,
	Amines, Alcohols
Condition to avoid contact	Heat, flames and sparks.
Hazardousdecomposition products:	Reacts with water to form: - Hydrogen
	chloride gas

# Section 11 – Toxicological Information

Acute toxicity:	No data available.
Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritationc:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product
	present at levels greater than or equal to
	0.1% is identified as probable, possible or
	confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available.
Specific target organ toxicity –single exposure:	No data available.
Specific target organ toxicity –repeated	No data available.
exposure:	
Aspiration hazard:	No data available.

#### Section 12 – Ecological Information

Ecotoxicity:	No data available.
Biodegradability:	No data available.
Abiotic degradation:	No data available.
Bioaccumulation:	No data available.
Other hazards	No data available.

#### Section 13 – Disposal Considerations

Property of waste:	No data available.
Methods of disposal:	Burn in a chemical incinerator equipped
	with an afterburner and scrubber but exert
	extra care in igniting as this material is
	highly flammable. Offer surplus and
	non-recyclable solutions to a licensed
	disposal company. Contact a licensed
	professional waste disposal service to



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dispose of this material. No data available.

### Precautions of disposal:

#### **Section 14 - Transport Information**

UN number:	2920
UN proper shipping name:	CORROSIVE LIQUID, FLAMMABLE,
	N.O.S.
Transport hazard class:	Class8(3)
Packing group:	П

#### **Section 15 - Regulatory Information**

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Section 16 - Additional Information**

Other information:

The information contained herein is prepared according to UN GHS (the fourth revised edition) and is accurate to the best of our knowledge. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company beliable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, however arising, even if the company has been advised of the possibility of such damages.