



# SAFETY DATA SHEET

[Required under safety and health regulations for shipping and handling]

Version: 2019

Date Updated: July 15, 2019

## SECTION 1. ----- PRODUCT AND COMPANY

### IDENTIFICATION-----

**Product Name** Phosphotungstic acid hydrate  
**Product Code(s)** PD1241  
**Recommended Use** For Laboratory Research Use Only  
Not for Human or Animal Drug Use

**Supplier** Bio Basic Inc.  
**Address** 20 Konrad Crescent, Markham, Ontario,  
Canada, L3R 8T4  
**Telephone** (905) 474 4493  
**Fax** (905) 474 5794  
**For Chemical Emergency Phone#** (416) 995 9730

## SECTION 2. ----- HAZARDS IDENTIFICATION -----

### GHS Classification

Serious eye damage (Category 1) Skin corrosion (Category 1B)

### GHS Label elements, including precautionary statements

Pictogram



Signal word Danger

Hazard statement(s)

H314: Causes severe skin burns and eye damage.

Precautionary statement(s)

P260: Do Not breathe dust/spray/ fume/gas/ mist/ vapors.

P405: Store locked up.

P264: wash skin thoroughly after handling

P280: Wear protective gloves/eye & face protection

P301 + P330 +P331:If Swallowed: Rinse mouth Do NOT induce vomiting.

P303 +P361 +P353: If On Skin (or Hair) Remove/Take off Immediately all contaminated clothing. Rinse Skin with water/shower.

P304 + P340: If inhaled: remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present & easy to do so. Continue Rinsing .

P310: Immediately call a Poison Center or doctor/physician.

P321: Specific treatments (see supplemental first aid instructions)

P363: Wash contaminated clothing before reuse.

P501: Dispose of contents/container to an approved waste disposal plant.

### HMIS Classification

**Health hazard:** 3

**Flammability:** 0

**Physical hazards:** 0

### NFPA Rating:

Health hazard 3,

Fire 0,

Reactivity hazard 0  
**Potential Health Effects**

<b>Inhalation</b>	Harmful by inhalation.
<b>Skin</b>	Harmful in contact with skin.
<b>Eyes</b>	Risk of serious damage to eyes.
<b>Ingestion</b>	Harmful if swallowed.

**SECTION 3. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -**

Chemical Name	EC No.	CAS-No	Weight %
Phosphotungstic acid hydrate	-	12501-23-4	<100

**SECTION 4. - - - - - FIRST-AID MEASURES - - - - -**

**Eyes:** rinse immediately for 15 min with plenty of water and seek medical advice.  
**Skin:** Rinse with plenty of soap & water and seek medical advice.  
**Ingestion:** Do not induce vomiting without medical advice. Rinse with water. Consult physician.  
**Inhalation:** Move to fresh air. Consult a physician.  
**Physician:** Treat symptomatically and supportively.

**SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -**

**Info:** wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Decomposes at high temp, resulting in toxic and corrosive products.  
**Special Hazard:** Oxides of Phosphorus & Tungsten.  
**Extinguishing:** Use dry chemical, water spray, CO2, or alcohol resistant foam.

**SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES - - - - -**

**Info:** Use proper PPE as indicated in Section 8.  
**Spill/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment Section. Avoid generating dusty conditions. Provide ventilation.

**SECTION 7. - - - - - HANDLING AND STORAGE - - - - -**

**Handling:** Wash thoroughly after handling. Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Keep container tightly closed. Do not ingest or inhale.  
**Storage:** Keep container tightly closed. Store in a cool, dry area away from incompatible substances. Corrosives area.

**SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION - - - - -**

**Controls:** Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

CHEMICAL NAME	ACGIH	NIOSH	OSHA – Final/ Vacated PELs
Phosphotungstic Acid Hydrate	none listed	none listed	none listed

**PPE: Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.  
**Skin:** Wear appropriate protective gloves and clothing to prevent skin exposure. 0.11mm thick nitrile.  
**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

## SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

**Appearance:** White  
**Melting Point:** 95°C (203°F)

## SECTION 10. ----- STABILITY AND REACTIVITY -----

**Stability:** Stable under normal temperatures and pressures.  
**Avoid:** High temperatures, dust generation, excess heat.  
**Incompatibilities:** Strong oxidizing agents/bases.  
**Hazardous Decomp.:** see section 5

## SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

**RTECS#:** unlisted  
**LD50/LC50:** Not available.  
**Carcinogenicity:** CAS#12501-23-4: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.  
**Other:** Cough , shortness of breath.

## SECTION 12. ----- ECOLOGICAL INFORMATION -----

No date available.

## SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. U.S. EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate information.  
**RCRA P-Series:** None listed. **RCRA U-Series:** None listed.

## SECTION 14. ----- TRANSPORT INFORMATION -----

**DOT:** UN 3260, Corrosive solid, acidic, inorganic, n.o.s. (Phosphotungstic acid hydrate), 8, II, ERG 154  
**IMDG:** UN 3260, CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. (Phosphotungstic acid hydrate), 8, II  
**IATA:** UN 3260, Corrosive solid, acidic, inorganic, n.o.s. (Phosphotungstic acid hydrate), 8, II

## SECTION 15. ----- REGULATORY INFORMATION -----

**SARA311/312:** acute health hazard  
**Section 302 (RQ & TPQ)** None of the chemicals in this material have an RQ or TPQ.  
**Section 313** No chemicals are reportable under Section 313.  
**STATE:** CAS# 12501-23-4 is not present on state lists from CA, MN, MA, FL.  
**PA Right to Know:** Phosphotungstic acid hydrate CAS#12501-23-4  
**NJ Right to Know:** Phosphotungstic acid hydrate CAS#12501-23-4  
California Prop.65 components: None of the chemicals are known to cause cancer, birth defects, or any other reproductive harm.

**EUROPEAN/INTERNATIONAL REGULATIONS: European Labeling in Accordance with EC Directives**  
**Hazardous Symbols:** C Corrosive **WGK (Water Danger/ Protection)** CAS# 12501-23-4: No information available

**Canada – DSL/NDSL** CAS#12501-23-4 is not listed on Canada's DSL /NDSL List.  
**Canada – WHMIS** This product has been classified in accordance with the hazard criteria of the CPR, and the SDS contains all the information required by the CPR.  
CAS#12501-23-4: is not listed on Canada's Ingredient Disclosure List.

**SECTION 16. ----- OTHER INFORMATION-----**

Further information: no limited for paper copy, just for internal uses.  
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information

relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Issuing Date:** 15-Jul-2019

**End of SDS**