

## **MATERIAL SAFETY DATA SHEET**

### **PHOSPHOTUNGSTIC ACID REAGENT**

**CAS NO. :**

#### **Section 1: Chemical Product and Company Identification**

##### Section 1: Chemical Product

**Product Name: PHOSPHOTUNGSTIC ACID REAGENT****CAS#: Not available.****C.I. No.: Not available.****Synonym: Not available.****Chemical Name: PHOSPHOTUNGSTIC ACID REAGENT****Chemical Formula: Not available.****Brand: OXFORD**

##### Details Of The Supplier Of The Safety Data Sheet:

**Company identification: OXFORD LAB FINE CHEM LLP**  
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#### **Section 2: Composition and Information on Ingredients**

##### Mixtures

**Hazardous ingredients according to Regulation (EC) No 1272/2008**

Component	Classification	Concentration
Phosphotungstic acid hydrate	12501-23-4	>=10-<20%

## Section 3: Hazards Identification

**Classification of the substance or mixture**

**Classification of the substance according to Regulation (EC) No 1272/2008:**  
Skin corrosion (Category 1B), H314

**Other hazards :** None.

## Section 4: First Aid Measures

**Description of first aid measures**

**General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

**In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Indication of any immediate medical attention and special treatment needed**

No data available

## Section 5: Fire and Explosion Data

**Extinguishing media**

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Oxides of phosphorus, Tungsten oxide

**Advice for firefighters**

Wear self contained breathing apparatus for fire-fighting if necessary.

**Further information**

No data available.

## Section 6: Accidental Release Measures

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

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

### **Environmental precautions**

Do not let product enter drains.

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

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Section 7: Handling and Storage

### **Precautions for safe handling**

Avoid inhalation of vapour or mist.

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

Store in cool place. 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.

Storage class (TRGS 510): Non combustible liquids, corrosive.

## Section 8: Exposure Controls/Personal Protection

### **Control parameters**

### **Exposure controls**

#### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### **Personal protective equipment**

#### **Eye/face 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).

## Section 8: Exposure Controls/Personal Protection (Continued)

### **Skin 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 374 derived from it.

**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to enginee 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).

**Control of environmental exposure:** Do not let product enter drains.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

a) Appearance Form	: Liquid.
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available.
e) Melting point/range	: No data available.
f) Initial boiling point and boiling range	: No data available.
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.
j) Flash point [°C]	: No data available.
k) Evaporation rate	: No data available.
l) Vapour pressure	: No data available.

## Section 9: Physical and Chemical Properties (Continued)

m) Vapour density	: No data available.
n) Relative density,	: No data available.
o) Solubility in water	: No data available.
p) Viscosity	: No data available.
q) Explosive properties	: No data available.
r) Oxidising properties	: No data available.
s) Decomposition temperature	: No data available.
t) Autoignition temperature	: No data available.
u) Molecular Weight	: No data available.

## Section 10: Stability and Reactivity Data

**Reactivity** : No data available.

**Chemical stability** : Stable under recommended storage conditions.

**Possibility of hazardous reactions** : No data available.

**Conditions to avoid** : Heat, flames and sparks.

**Incompatible materials** : Strong oxidizing agents, strong bases.

**Hazardous decomposition products**

**Other decomposition products** - Hazardous decomposition products formed under fire conditions.-

Oxides of phosphorus, Tungsten oxide

Other decomposition products-No data available.

## Section 11: Toxicological Information

**Information on toxicological effects**

No data available

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

## Section 11: Toxicological Information (Continued)

### **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 exposure**

No data available

### **Aspiration hazard**

No data available

### **Additional Information**

RTECS: Not available

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea

## Section 12: Ecological Information

**Toxicity:** No data available.

**Persistence - degradability :** No data available.

**Bioaccumulative potential :** Not established.

**Mobility in soil :** Not established.

**Results of PBT and vPvB assessment :** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

**Other adverse effects :** No data available.

## Section 13: Disposal Considerations

### Waste treatment methods

**Product:** Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging:** Dispose of as unused product.

## Section 14: Transport Information

### Land transport (ADR-RID)

**Proper shipping name :** CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphotungstic acid hydrate)

**UN N°** : 3264

**ADR - Class** : 8

### Sea transport (IMDG) [English only]

**Proper shipping name** : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Phosphotungstic acid hydrate)

**UN N°** : 3264

**IMO-IMDG - Class or division** : 8

**IMO-IMDG - Packing group** : II

### Air transport (ICAO-IATA) [English only]

**Proper shipping name** : METHYL BUTYRATE

**UN N°** : 3264

**IATA - Class or division** : 8

**IATA - Packing group** : II

## Section 15: Other 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.

### **Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out.

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## **Section 16 - Additional Information**

**References:** Not available.

**Other Special Considerations:** Not available.

### ***Disclaimer:***

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