

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

### 1.1 Name of Preparation:

**PK Plus**

### 1.2 Intended Use:

As a professional use fertiliser

### 1.3 Supplier Details:

**ILEX ENVIROSCIENCES LIMITED**  
**PO Box 158**  
**Market Rasen**  
**Lincolnshire**  
**LN8 3QL**

**Contact: The Safety Officer**

Telephone: 01673 885175

## 2. INFORMATION ON INGREDIENTS

**THIS PREPARATION IS CLASSIFIED AS DANGEROUS UNDER DIRECTIVE 2001/59/EC**

### 2.1 Composition:

*Product code: not specified*

*Hazardous Components -*

Phosphoric Acid	CAS 7664-38-2	C; Xn; R35
Phosphorus Acid	CAS 10294-56-1	C; Xn; R34,

## 3. HAZARDS IDENTIFICATION

### 3.1 Classification of Preparation:



**IRRITANT**

### 3.2 Primary Hazards:

**IRRITATING TO SKIN & EYES**

**HARMFUL TO AQUATIC ORGANISMS; MAY CAUSE LONG TERM  
ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.**

#### 4. FIRST AID MEASURES

##### **4.1 Any special measures:**

##### **4.2 Inhalation:**

Remove from source of exposure to fresh air; may cause irritation; seek medical attention.

##### **4.3 Skin & eye exposure:**

Rinse immediately with plenty of water. Seek medical advice.

Eyes: irrigate with copious amounts of clean water for at least 10 minutes. Seek medical advice

##### **4.4 Ingestion:**

Seek medical advice.

#### 5. FIRE FIGHTING MEASURES

##### **5.1 Suitable extinguishing media:**

Not flammable

##### **5.2 Unsuitable extinguishing media:**

As appropriate for surrounding fire

##### **5.3 Special hazards, combustion or by products:**

Combustion gases may cause irritation.

##### **5.4 Protective clothing for fire fighting:**

Suitable protective clothing and breathing apparatus.

#### 6. ACCIDENTAL RELEASE MEASURES

##### **6.1 Personal precautions:**

Prevent contact with skin or eyes

##### **6.2 Environmental precautions:**

Do not wash excessive spillages into water courses. If this product enters water course or sewer (including via contaminated soil & vegetation) contact local agency and/or police immediately. Do not burn.

##### **6.3 Clean & disposal methods:**

Use soil, sand or other absorbent material. Contact specialist waste disposal contractor.

#### 7. HANDLING AND STORAGE

##### **7.1 Practical precautions & engineering controls for safe handling:**

Open container with care to avoid splashes.

##### **7.2 Conditions and quantity limits for safe storage:**

Store in a cool, dry atmosphere in original, labelled containers.

Do not store in metal or alloy packaging.

Refer to manufacturer for maximum safe stacking height.

No storage quantity limits.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **8.1 Exposure limit values:**

Not determined for product.

### **8.2 Occupational exposure controls:**

Ensure suitable engineering controls for measuring and decanting of product prior to dilution.

### **8.3 Personal Protective Equipment:**

Primary Hazard considered as handling of concentrate.

Gloves: BS EN374 – chemical protection: physical barrier protection only;

Eye Protection: goggles/face shield to BS EN166

Coveralls: Suit to BS EN 465 / 466/ 467

Footwear: Suitable chemical resistant safety footwear

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.01 Appearance:** clear pale pink solution

**9.02 Odour:** not specified

**9.03 pH:** 2.0 - 4.0

**9.04 Boiling point/range:** not specified

**9.05 Flash Point/Flammability:** not classified as flammable

**9.06 Explosive properties:** not classified as explosive

**9.07 Oxidising properties:** not classified as oxidising

**9.08 Vapour pressure:** not specified

**9.09 Relative Density:** 1.30 – 1.40

**9.10 Solubility:** not specified

**9.11 Partition coefficient:** not specified

**9.12 Viscosity:** not specified

**9.13 Vapour density:** not specified

**9.14 Evaporation rate:** not specified

## 10. STABILITY AND REACTIVITY

### **10.1 Materials to avoid:**

None

### **10.2 Conditions to avoid:**

None

### **10.3 Hazardous decomposition products:**

Possible Irritant fumes

## 11. TOXICOLOGICAL INFORMATION

The Preparation has not been assessed at all for this end-point, so its hazardous property in this regard is not known.

## 12. ECOLOGICAL INFORMATION

**Not classified as harmful to the environment.**

### **12.1 Ecotoxicity:**

No specific data available

### **12.2 Mobility:**

No specific data available

### **12.3 Persistence & degradability:**

No specific data available

### **12.4 Bioaccumulative potential:**

This product is not considered to bioaccumulate.

## 13. DISPOSAL CONSIDERATIONS

### **13.1 Disposal of used preparation:**

Dispose in accordance with local regulations via specialised waste contractor.

### **13.2 Disposal of packaging:**

Use specialist waste contractor in accordance with local regulations. Do not remove labels from containers.

## 14. TRANSPORT INFORMATION

### **14.1 Specific Transport requirements**

#### Road

ADR/RID      Not regulated for carriage

#### Sea

IMDG            Not regulated for carriage

#### Air

ICAO/IATA      Not regulated for carriage

#### 15. REGULATORY INFORMATION

This preparation is classified and labelled in accordance with both regulation 2001/59/EC and The Fertiliser Regulations 1991.

**S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice**

**S36/7/9: Wear suitable protective clothing, gloves & eye/face protection**

#### 16. OTHER INFORMATION

**R36/38: IRRITATING TO SKIN & EYES**

**R52-53: HARMFUL TO AQUATIC ORGANISMS & MAY CAUSE LONG – TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT**

Compiled using data submitted for raw materials and practical experience.

This product is intended for professional users only.

This Safety Data Sheet is prepared in compliance with Directive 2001/59/EC.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.

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