

## POTASSIUM DIHYDROGEN ORTHOPHOSPHATE

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** POTASSIUM DIHYDROGEN ORTHOPHOSPHATE  
**Product Code:** 220  
**CAS#:** 7778-77-0  
**Chemical Formula:** Not available  
**Molecular Formula:** Not available  
**Chemical Formula:** KCl

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Composition:**  
**Name:** POTASSIUM DIHYDROGEN ORTHOPHOSPHATE  
**Chemical Formula:** Not available  
**Molecular Formula:** Not available

### SECTION 3: HAZARDS IDENTIFICATION

**Potential Acute Health Effects:** Slightly hazardous in case of eye contact (irritant)  
**Potential Chronic Health Effects:**  
**Carcinogenic effects:** Not available.  
**Mutagenic effects:** Not available.  
**Teratogenic effects:** Not available.  
**Developmental toxicity:** Not available.

### SECTION 4: FIRST AID MEASURES

**Eye Contact:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention if irritation occurs.  
**Skin Contact:** Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.  
**Serious Skin Contact:** Not available.  
**Serious Inhalation:** Not available.  
**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.  
**Serious Ingestion:** Not available.

### SECTION 5: FIRE FIGHTING MEASURES

**Flammability of the Product:** May be combustible at high temperature.  
**Auto-Ignition Temperature:** Not available.  
**Flash Points:** Not available.  
**Flammable Limits:** Not available.  
**Products of Combustion:** Not available.  
**Explosion Hazards in Presence of Various Substances:**  
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.  
**Fire Fighting Media and Instructions:**



**Small fire:** Use DRY chemical powder.

**Large fire:** Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards:** Not applicable

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill:** Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow evacuating through the sanitary system.

#### SECTION 7: HANDLING AND STORAGE

**Precautions:** Keep away from heat. Keep away from sources of ignition.

**Storage:** Store in cool, dry place in closed containers.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 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** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**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.

**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** Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Physical state and appearance Form** : White crystals/crystalline powder.

**Odour** : Not available

**Taste** : Not available

**Molecular Weight** : Not available

**Colour** : Not available

**pH** : 4.2-4.6

**Boiling Point** : Not available

**Melting Point** : Not available

**Critical Temperature** : Not available

**Specific Density** : Not Available

**Vapor Pressure** : Not Available

**Vapor Density** : Not available

**Volatility** : Not Available

**Odor Threshold** : Not Available

**Water/Oil Dist. Coeff.** : Not Available





**Further information:** Not classified as dangerous in the meaning of transport regulations

#### **SECTION 15: OTHER REGULATORY INFORMATION**

**Federal and State Regulations:** TSCA 8(b) inventory: Not available.

**Other Regulations:** Not available.

**Other Classifications:**

**WHMIS (Canada):** Not controlled under WHMIS (Canada).

**DSD (EEC):**

This product is not classified according to the EU regulations. Not applicable.

**HMIS (U.S.A.):**

**Health Hazard:** 1

**Fire Hazard:** 1

**Reactivity:** 0

**Personal Protection:** E

**National Fire Protection Association (U.S.A.):**

**Section 16: Other Information**

**References:** Not available.

**Other Special Considerations:** Not available.

#### **SECTION 16: OTHER INFORMATION**

**References:** Not available.

**Other Special Considerations:** Not available.

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