

# **SAFETY DATA SHEET**

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PRODUCT: POTASSIUM OXALATES

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## **1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

Name of  
the product: POTASSIUM OXALATES

- 1)Potassium Tetraoxalate
- 2)Potassium Acid Oxalate

Supplier: OXAQUIM, S.A.  
Avda. President Companys, 12 C  
E - 43005 TARRAGONA  
Telephone: +3477 / 21 37 00

Manufacturer: OXAQUIM, S.A.  
Pol. Ind. "Las Horcas"  
E - 44600 ALCANIZ (Teruel)  
Telephone +3478 / 83 31 13

## **2. COMPOSITION/INFORMATION ON INGREDIENTS**

### **2.1 POTASSIUM TETRAOXALATE**

Chemical  
characterization: POTASSIUM TETRAOXALATE  
FORMULA :  $\text{KH}_3(\text{C}_2\text{O}_4)_2 \cdot 2\text{H}_2\text{O}$   
CAS number: 6100-20-5

### **2.2 POTASSIUM ACID OXALATE**

Chemical  
characterization: POTASSIUM ACID OXALATE  
FORMULA :  $\text{KH}_2(\text{C}_2\text{O}_4)\text{H}_2\text{O}$   
CAS number: 127-95-7

### **3. HAZARDS IDENTIFICATION**

**Hazards:** Harmful in contact with skin and if swallowed  
Irritant to eyes and respiratory system.

**Hazards symbols:** Xn

**Phrases:** R 21/22  
S 2  
S 24/25

### **4. FIRST AID MEASURES**

**General information:** Change soaked clothing.  
Clean body thoroughly (bath, shower).

**After inhalation:** Ensure supply of fresh air. In the event of symptoms take immediate medical treatment.

**After contact with skin:** Wash off immediately with plenty of water. Seek medical advice.

**After contact with eyes:** Rinse thoroughly with plenty of water and seek immediate medical advice.

**After ingestion:** Seek immediate medical advice and induce vomiting only under medical advice.

### **5. FIRE-FIGHTING MEASURES**

**Suitable extinguishing media:** Water spray jet or foam or dry powder or CO<sub>2</sub> can be released.

**Special equipment:** Use breathing apparatus for firefighting.

**Further information:** Firefighting water must not be discharge into drains.

### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Use personal protective clothing. Breathing apparatus must be used if exposed to aerosols or vapours or dust.

**Environmental precautions:**

Do not discharge into surface waters or groundwater.

**Methods for cleaning up:**

Clean ground and object in accordance with the environment regulation. Avoid raising dust.

## **7. HANDLING & STORAGE**

**Handling/advice on safe handling:**

Avoid formation and deposition of dust. If dust is formed, provide exhaust ventilation.

**Storage/requirements for storage rooms and vessels:**

Goods must be stored in well ventilated space. Keep only in original container. Do not store together with oxidizing agents. Keep container tightly closed. Open and handle with care. Store in a dry place.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hygiene measures:**

Do not eat or drink or smoke during work time. Do not store foodstuffs in the work place. Store work clothes in a special place. Hand and skin must be cleaned thoroughly after work.

**Respiratory protection:**

In case of high concentrations use breathing apparatus.

**Hand protection:**

Use protective gloves.

**Eye protection:**

Use safety glasses.

**Body protection:**

Use light protective clothes

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance form : Crystalline

Colour: Colourless

Odour: Odourless

Solubility  
in water: 2,50%

Molecular weight: 128

pH value: 2,7 in water

### **10. STABILITY AND REACTIVITY**

**Hazardous reaction:** Reactions with oxidising agents. Violents reactions with NHx and SH groups.

**Hazardous decom-  
position product:** Formique acid/carbon monoxide/carbon dioxide.

### **11. TOXICOLOGICAL INFORMATION**

LD<sub>50</sub> 1<sup>o</sup>/kg. Orally in dogs (Merck Index 9th ed.)

LD<sub>50</sub> TLV 1 mg/m<sub>3</sub> (Poisoning by drugs and chemicals, 3rd ed.).

**Remarks:** Irritable and corrosive for skin and eyes kidney damage can be possible. Sensation of dolour can be delayed.

### **12. ECOLOGICAL INFORMATION**

**Physico-chemical  
eliminability:** Can be eliminated from the water by precipitation or flocculation

**Method:** Lime precipitation. The product can be degraded by abiotic, e.g. chemical or photolytic processes.

**Behaviour in  
environmental  
compartments:** Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore

unlikely on the basis of current knowledge.

### **13. DISPOSAL CONSIDERATIONS**

**Product:** After pre-treatment, and in accordance with regulations for special waste, product must be taken to an authorised special waste incineration plant for recycling.

### **14. TRANSPORT INFORMATION**

**Road transport:** ADR: not classified  
GGVS: not classified  
RID: not classified  
GGVE: not classified

**River transport:** ADNR: not classified

**Sea transport:** IMDG/GGV  
see-code: not classified

**Flight transport:** ICAO/IATA  
-DGR: not classified

**Send by mail:** authorized

### **15. REGULATORY INFORMATION**

**Hazards symbols:** Xn harmful

**R phrases:** 21/22 Harmful in contact with skin and if swallowed.

**S phrases:** 24/25 Keep out of reach of children. Avoid contact with skin and eyes

### **16. USES**

Potassium oxalates are used in cleaning and bleaching of certain natural fibres, to remove stains in photography, in analytical chemistry as well of production

### **17. OTHER INFORMATION**

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.

