

# Antiox K

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## MATERIAL SAFETY DATA SHEET

**DATE OF PREP.:** Apr 16, 2001  
**REVISION:**

### SECTION I - PRODUCT IDENTIFICATION

**PRODUCT NAME:** ANTIOX K  
**CHEMICAL NAME:** Potassium metabisulphite,  
  
**PRODUCT CLASS:** Not Applicable  
**CAS NO.:** As listed below.

### SECTION II - HAZARDOUS INGREDIENTS

<u>Chemical Identity</u>	<u>CAS</u> <u>ACGIH TLV</u>	<u>Common Name</u>	<u>OSHA PEL</u>
K <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	16731-55-8	Potassium metabisulfite	none

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point (@ATM):** Not Applicable  
**Specific Gravity (H<sub>2</sub>O = 1):** 2.34  
**Vapor Pressure (mm Hg.):** Not Applicable  
**Melting Point:** Decomposes  
**Vapor Density (air = 1):** 2.3  
**Evaporation Rate:** Not Applicable  
**Water Solubility:** 95%  
**Appearance and Odor:** White crystalline dry powder, odor of sulfur dioxide.

## **SECTION IV - FIRE & EXPLOSION HAZARD DATA**

**Flash Point (°F)(Method Used):** Not Applicable  
**Flammable Limits:** Non-Flammable  
Lower: Not Applicable  
Upper: Not Applicable  
**Extinguishing Media:** Large quantities of water  
**Unusual Fire and Explosion Hazards:** Small amounts of water or contact with a highly humid atmosphere in the presence of air may cause a fire or create temperatures significant to ignite nearby combustible.  
**Special Fire Fighting Procedures:** Adequate precautions should be taken to avoid inhalation of dust. Burning or smoldering powder should be spread out before adding water. Gas mask with acid canister for SO<sub>2</sub> or Air-Pak should be worn.

## **SECTION V - REACTIVITY DATA**

**Stability:** Stable  
**Hazardous Decomposition or By-products:** Sulfur dioxide  
**Conditions to Avoid:** Moisture/heat above 120° F  
**Hazardous Polymerization:** None  
**Incompatibilities:** All oxidizing and acidic materials such as peroxide & sulfuric acid

## **SECTION VI - HEALTH HAZARD DATA**

### **HEALTH HAZARDS (ACUTE & CHRONIC):**

**Inhalation:** May cause respiratory irritation and bronchospasm. Symptoms may include coughing and breathing difficulty. May cause severe respiratory distress in asthmatics.

**Skin Contact:** May cause severe irritation.

**Eye Contact:** May cause moderate to severe eye irritation.

**Ingestion:** May cause mouth, throat, esophagus irritation or burns. May cause sensitization in individuals allergic to sulfite.

### **CARCINOGENICITY:**

NTP?

IARC Monographs?

OSHA Regulated?

### **SIGNS & SYMPTOMS OF EXPOSURE:**

Symptoms may include coughing and breathing difficulty

### **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Asthma is aggravated by exposure to product

**EMERGENCY & FIRST AID PROCEDURES:** In the event of skin contact, rinse with volumes of water and remove from area. In case of eye contact check for and remove any contact lenses, flush with water for at least 15 minutes. Remove from area in case of respiratory problems. IN ALL CASES, contact physician. Sensitized individuals should not return to area unless completely protected.

## **SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Minimize dusting and prevent distribution of airborne dust. Vacuum clean with wet attachment or HEPA Filter; or wet mop.

**WASTE DISPOSAL METHOD:** Dispose of solid material in a hazardous waste facility in accordance with applicable federal, state and/or local regulations. Dispose of solutions of the material in industrial waste water treatment system in accordance with applicable federal, state and/or local regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in sealed containers to prevent dusting and exposure to oxidizing chemical & acid.

**OTHER PRECAUTIONS:** None

## **SECTION VIII - CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NIOSH approved dust mask.

**VENTILATION:** As needed.

**PROTECTIVE GLOVES:** Rubber gloves.

**EYE PROTECTION:** Safety goggles.

**OTHER PROTECTIVE EQUIPMENT:** Protect exposed skin area with lab coats, aprons, etc. Emphasize hygiene to avoid skin contact and/or inhalation of dust.

**WORK/HYGIENIC PRACTICES:** Maintain good housekeeping/GMP. Follow practices sufficient to avoid inhalation of and skin and eye contact with dust and aerosols.

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