

## **TETRAETHYL ORTHOSILICATE 4203**

### **MSDS Number**

BCBQM

### **National Stock Number**

6810-00K000874

### **Product Name**

TETRAETHYL ORTHOSILICATE 4203

### **Manufacturer**

EASTMAN KODAK COMPANY

### **Product Identification**

Product ID:TETRAETHYL ORTHOSILICATE 4203

MSDS Date:01/01/1985

FSC:6810

NIIN:00K000874

MSDS Number: BCBQM

### **Responsible Party**

EASTMAN KODAK COMPANY

343 STATE STREET

ROCHESTER , NY 14650

US

Emergency Phone: 716-722-5151

Info Phone: 716-722-5151

Cage: 19139

### **Contractor**

EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS

ROCHESTER, NY 14650-1115

US

716-722-5151/(800) 242-2424

Cage: 19139

### **Ingredients**

ETHYL SILICATE

CAS: 78-10-4

RTECS: VV9450000

Fraction By Weight: 100%

OSHA PEL100 PPM

ACGIH TLV: 10 PPM; 9293

### **Hazards**

Effects of Overexposure:INHALE:IRRITNT,PROLONGED EXPOSURE MAY CAUSE NARCOSIS,DELAYED LUNG/KIDNEY INJURY;EYE/SKIN:IRRITNT.

### **First Aid**

First Aid:INHALE:REMOVE TO FRESH AIR, GIVE CPR/O\*2 IF NEED;EYES:FLUSH W LG AMTS H\*20 FOR 15 MIN;SKIN:FLUSH W LG AMTS H\*20;INGEST:RINSE MOUTH, CALL DR.

### **Fire Fighting**

Flash Point Method:CC  
Flash Point:=48.9C, 120.F  
Lower Limits:1.0  
Extinguishing Media:CO\*2, DRY CHEMICAL  
Fire Fighting Procedures:WEAR SELF0CNTND BRTHG APP;H\*2O SPRAY COOL CONT.  
Unusual Fire/Explosion Hazard:CONTAINERS MAY EXPLODE IN HEAT OF FIRE.  
NOTE:IMCO REPORTS UEL IS 23%

## Accidental Release

Spill Release Procedures:EVACUATE UNPROTECTED PERSONS.ELIM IGNITION SOURCES.STOP LEAK. H\*2O SPRAY COOL CONT/DIVERT SPILL FROM FIRE/HEAT.PROVIDE VENTILATION.ABSORB W COMMERCIAL ABSORBENT,SHOVEL INTO METAL DRUMS;LG SPILL:DIKE W COMMERCIAL ABSORBENT,PUMP INTO COVEREDDRUMS.

## Handling

Handling and Storage Precautions:STORE IN COOL,DRY,WELL VENTILATED,LOW FIRE RISK AREA. PROTECT FROM PHYSICAL DAMAGE.AVOID ANY PHYSICAL CONTACT. KEEP CONTAINERS TIGHTLY CLOSED.  
Other Precautions:AVOID PROLONGED OR REPEATED CONTACT W CHEMICAL.REMOVE & WASH CONTAMINATED CLOTHING.WASH RESIDUE FROM SPILL CAREFULLY W SOAP & WATER.

## Exposure Controls

Respiratory Protection:APPROVED SELF-CNTND BRTHG APP OR AIR-LINE RESPIRATOR  
Ventilation:MECHANICAL(GEN./LOCAL EXHAUST)  
Protective Gloves:IMPERVIOUS  
Eye Protection:SAFETY/CHEM GOGGLES  
Other Protective Equipment:NORMAL FULL WORK CLOTHING COVERING ARMS,LEGS.  
Supplemental Safety and Health  
MSDS FROM MFG. DATED 7/6/78.CHEMICAL NAME:SILICIC ACID TETRAETHYL ESTER.SLOWLY DECOMPOSES IN WATER.

## Chemical Properties

HCC:F4  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:=167.8C, 334.F  
Vapor Pres:2  
Vapor Density:7.2  
Spec Gravity:0.9356  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:CLEAR,COLORLESS LIQUID;MILD, SWEET ODOR.  
Percent Volatiles by Volume:100

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZERS  
Stability Condition to Avoid:IGNITION SOURCES  
Hazardous Decomposition Products:DECOMPOSITION MAY RELEASE CO AND/OR CO\*2

## Disposal

Waste Disposal Methods:KEEP IN COVERED DRUMS, PENDING DISPOSAL.HANDLE & DISPOSE IN FULL COMPLIANCE WITH ALL APPLICABLE INTERNATIONAL,FEDERAL,STATE,&LOCAL REGULATIONS.MFG NOTES MAY PLACE MATERIAL IN FIBER CARTON & BURN,OR MI X WITH FLAMMABLE SOLVENT & INCINERATE.

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