



## **MATERIAL SAFETY DATA SHEET PRODUCT: AQM SIOX**

**Commercial Product Name:** AQM SIOX

**Synonyms:** Silicone E-beam photoresist

### **1. Company Identification**

Applied Quantum Materials Inc.  
18 Orlando Dr.  
ST. ALBERT, Alberta  
T8N 6V9 Tel.:(780) 554-7398

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

Consists of polymeric SiO<sub>x</sub>

### **3. HAZARDS IDENTIFICATION**

Generally, not hazardous in normal handling.

#### **HMS Classification**

Health Hazard: 0  
Flammability: 0  
Physical Hazards :0

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

**Inhalation:** May be harmful if inhaled. Remove to fresh air. Get medical attention for any breathing difficulty. **Skin contact:** May cause skin irritation. **Eye Contact:** May cause irritation. **Ingestion:** May be harmful if swallowed.

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

**Fire and Explosion Hazard:** Negligible fire and explosion hazard

**Suitable Extinguishing Media:** Any means suitable for extinguishing surrounding fire.

**Specific hazards:** Not applicable.

*The information given has been obtained from numerous measures and is for guidance only. No guarantee is given or implied. For more information please contact Applied Quantum Materials Inc. 18 Orlando Dr., St. Albert, AB, T8N 6V9 Tel.: +1 (780) 554-7398.*

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin and eyes.

**Environmental Precautions:** No special environmental precautions required.

**Methods for Cleaning up:** Shovel or sweep up. Shovel into suitable container for disposal. Avoid dust forming. Avoid spillage from entering drains or water courses. Dispose of as normal trade waste in compliance with local and national regulations.

## 7. HANDLING AND STORAGE/HANDLING

**Safe handling advice:** Avoid contact with skin and eyes. Avoid the formation of dust. Do not breathe dust. Ensure adequate ventilation.

**Storage/Technical measures / Storage conditions:** Keep container tightly closed (hygroscopic). Store either under inert atmosphere or under vacuum.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control Parameters/Exposure limit(s):** Not available.

**Personal Protection Equipment/Hygiene measures:** Avoid contact with skin and eyes. Avoid dust formation.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form :** powder packed in Nalgene bottles, **Colour:** white crystals, **Odour:** None, **pH :** N/A

**Boiling point/range:** not determined, **Melting point/range:** not determined, **Decomposition**

**Temperature :** not determined, **Flash Point:** Not determined, **Flammability:** Not flammable, **Auto**

**Ignition Temperature :** Not applicable, **Explosive Properties:** Not applicable, **Explosion Limits -** Not applicable, **Vapour Pressure :** Negligible, **Relative Density:** Not applicable, **Physical Appearance :** White/off-white powder.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended condition.

**Conditions to avoid:** Keep containers dry and tightly closed to avoid moisture absorption and contamination (hygroscopic).

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** None, **Local Effects:** Skin irritation, eye irritation. **Sensitization:** No data available, **Chronic Toxicity:** None, **Human Experience:** Skin irritation, eye irritation.

## 12. ECOLOGICAL INFORMATION

**Persistence / Degradability:** Stable, **Bioaccumulation:** No data available, **Mobility :** No data available  
Ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**Contaminated Packaging:** In accordance with local and national regulations.

**Waste from residues / unused products:** In accordance with local and national regulations.

## 14. TRANSPORT INFORMATION

**UN – No:** Not regulated, **Packing Group:** Not regulated, **ADR / RID:** Not regulated,  
**IMO:** Not regulated, **ICAO:** Not regulated.

## 15. REGULATORY INFORMATION

**WHMIS Classification:** Not WHMIS controlled.

## 16. OTHER INFORMATION

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification, since the conditions of the operations mentioned are beyond our control. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.