



## **SILICON**

### **MSDS Number**

BBDHQ

### **National Stock Number**

6810-00D000775

### **Product Name**

SILICON

### **Manufacturer**

BARIUM AND CHEMICALS INC

### **Product Identification**

Product ID: SILICON  
MSDS Date: 01/01/1987  
FSC: 6810  
NIIN: 00D000775  
MSDS Number: BBDHQ

### **Responsible Party**

BARIUM AND CHEMICALS, INC.  
Emergency Phone: 614-282-9776  
Cage: 20865

### **Contractor**

BARIUM AND CHEMICALS INC  
218  
STEUBENVILLE, OH 43952  
US  
740-282-9776  
Cage: 20865

### **Ingredients**

SILICON  
CAS: 7440-21-3  
RTECS: VW0400000  
Fraction By Weight: 97%  
OSHA PEL15 MG/M3 TDUST  
ACGIH TLV: 10 MG/M3 TDUST; 9293

### **Hazards**

Effects of Overexposure: SILICON METAL IS OF LOW TOXICITY IN LUMP FORM & NO RESIDUAL INJURY IS EXPECTED. DUST IS IRRITATING.

### **First Aid**

First Aid: INH: REMOVE FROM DUST AREA TO FRESH AIR; SKIN: NO HAZARD ASSOCIATED WITH SKIN CONTACT; EYE: FLUSH WITH WATER TO ENSURE NO PARTICLES REMAIN IN THE EYE.

### **Fire Fighting**

Extinguishing Media: CLASS D FIRE, USE DRY CHEMICAL, DRY SAND, OR CO\*2.  
Fire Fighting Procedures: FIRE MAY BE ISOLATED AND ALLOWED TO BURN ITSELF OUT.  
Unusual Fire/Explosion Hazard: SILICON IS CLASSIFIED AS ACTIVE. DUST CAN



BE READILLY IGNITED, PROPAGATE FLAME & GENERATE PRESSURE.

## Accidental Release

Spill Release Procedures: FINE MATERIAL SHOULD BE SWEEPED UP OR VACUUMED. AVOID USING COMPRESSED AIR TO MANEUVER SPILLS OR LEAKS OF FINE MATERIAL. NO PROBLEMS ASSOCIATED WITH SPILLS OR LEAKS OF LUMP MATERIAL. F

## Handling

Handling and Storage Precautions: NO SPECIAL PRECAUTIONS.

## Exposure Controls

Respiratory Protection: DUST RESPIRATOR.  
Ventilation: RECOMMENDED FOR DUSTY OPERATIONS.  
Protective Gloves: RECOMMENDED.  
Eye Protection: RECOMMENDED.  
Other Protective Equipment: SUBJECT TO SAFETY RULES.  
Supplemental Safety and Health  
MSDS UNDATED.

## Chemical Properties

HCC: N1  
Spec Gravity: 2.3  
Solubility in Water: INSOLUBLE  
Appearance and Odor: DARK GREY POWDER (SOMETIMES WITH A BROWN CAST)

## Stability

Stability Indicator/Materials to Avoid: YES  
ACIDS & STRONG BASES.  
Stability Condition to Avoid: NONE  
Hazardous Decomposition Products: NONE

## Disposal

Waste Disposal Methods: SANITARY LANDFILL.

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.