

## **BARIUM REF STD SOLUTION, SB-162**

### **MSDS Number**

BKMRR

### **National Stock Number**

6810-00N015330

### **Product Name**

BARIUM REF STD SOLUTION, SB-162

### **Manufacturer**

FISHER SCIENTIFIC

### **Product Identification**

Product ID: BARIUM REF STD SOLUTION, SB-162

MSDS Date: 03/01/1989

FSC: 6810

NIIN: 00N015330

MSDS Number: BKMRR

### **Responsible Party**

FISHER SCIENTIFIC

1 REAGENT LANE

FAIR LAWN, NJ 07410

US

Emergency Phone: 201-796-7100; 800-424-9300 (CHEMTREC)

Info Phone: 201-796-7100

Cage: 1B464

### **Contractor**

FISHER SCIENTIFIC CO. CHEMICAL MFG DIV

FAIRLAWN, NJ 07410-2802

US

201-796-7100

Cage: 1B464

### **Ingredients**

BARIUM CHLORIDE, DIHYDRATE

CAS: 10326-27-9

RTECS: CQ8751000

Fraction By Weight:

OSHA PEL 0.5 MG(BA)/M3

ACGIH TLV: 0.5 MG(BA)/M3

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 99.9%

NONE LISTED BY THE

RTECS: 9999999ZZ

## Hazards

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHAL: NO IRRITATING OR TOXIC EFFECTS REPORTED. SKIN: NO DATA AVAILABLE, MAY CAUSE IRRITATION. EYE: MAY CAUSE IRRITATION. NO EFFECTS REPORTED IN HUMANS. INGEST: NO TOXIC OR IRRITATING EFFECTS REPORTED. CHRONIC: INHAL: NO EFFECTS REPORTED. SKIN/EYE: NO DATA AVAILABLE. INGEST: NONE KNOWN.  
Explanation of Carcinogenicity:NOT RELEVANT  
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:INHAL: REMOVE FROM EXPOS AREA TO FRESH AIR IMMED. IF BRTHG STOPPED, PERFORM ARTF RESP. KEEP WARM & AT REST. TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED ATTN IMMED. SKIN: REMOVE CONTAM CLTHG/SHOES IM MED. WASH AFFECTED AREA W/SOAP OR MILD DETERGENT & LG AMTS WATER UNTIL NO EVID OF CHEM REMAINS (APPROX 15-20 MIN). GET MED ATTN IMMED. EYE: WASH IMMED W/LG AMTS WATER OR NORMAL SALINE (SEE SUPP DATA)

## Fire Fighting

Extinguishing Media:DRY CHEMICAL, CO\*2, HALON, WATER SPRAY OR STANDARD FOAM. FOR LARGER FIRES, USE WATER SPRAY, FOG OR STANDARD FOAM.  
Fire Fighting Procedures:NO ACUTE HAZARD. MOVE CONTAINER FROM FIRE AREA IF POSSIBLE. AVOID BREATHING VAPORS/DUSTS; KEEP UPWIND. WEAR NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP .  
Unusual Fire/Explosion Hazard:NEGLIGIBLE FIRE HAZARD WHEN EXPOSED TO HEAT OR FLAME.

## Accidental Release

Spill Release Procedures:OCCUPATIONAL SPILL: SOAK UP SPILL WITH VERMICULITE OR OTHER ABSORBENT MATERIAL AND PLACE INTO SUITABLE CONTAINERS FOR LATER DISPOSAL.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:NONE SPECIFIED BY MANUFACTURER.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

## Exposure Controls

Respiratory Protection:NONE REQUIRED.  
Ventilation:GENERAL DILUTION VENTILATION.  
Protective Gloves:PROTECTIVE GLOVES RECOMMENDED.  
Eye Protection:CHEMICAL WORKERS GOGGLES .  
Other Protective Equipment:PROTECTIVE CLOTHING NOT REQUIRED. PROVIDE EMERGENCY EYE WASH FOUNTAIN WITHIN THE IMMEDIATE WORK AREA FOR EMERGENCY USE.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.  
Supplemental Safety and Health  
FIRST AID PROC: FOR AT LEAST 15 MIN, OCCAS LIFTING UPPER/LOWER LIDS, UNTIL NO EVID OF CHEM REMAINS. GET MED ATTN IMMED. INGEST: TREAT SYMPTOMATICALLY & SUPPORTIVELY. GET MED ATTN IMMED. IF VOMIT OCCURS, KEEP HEAD LOWER THAN HIPS TO PREVENTASPIR. NO SPECIFIC ANTIDOTE. TREAT SYMPTOMATICALLY & SUPPORTIVELY. (INGRED-03)

## Chemical Properties

HCC:N1  
Boiling Pt:B.P. Text:212F,100C  
Melt/Freeze Pt:M.P/F.P Text:32.0F,0.0C  
Vapor Pres:14 @ 20C  
Vapor Density:0.7  
Spec Gravity:1.0

Evaporation Rate & Reference:> 1 (ETHER=1)

Solubility in Water:SOLUBLE

Appearance and Odor:COLORLESS LIQUID.

## Stability

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE REPORTED

Hazardous Decomposition Products:THERMAL DECOMPOSITION PRODUCTS MAY INCLUDE TOXIC AND CORROSIVE FUMES OF HYDROGEN CHLORIDE.

## Disposal

Waste Disposal Methods:DISPOSAL MUST BE IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS .

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