

## **BARIUM DIOXIDE, 0992**

### **MSDS Number**

BSCFD

### **National Stock Number**

6810-00N044675

### **Product Name**

BARIUM DIOXIDE, 0992

### **Manufacturer**

J T BAKER

### **Product Identification**

Product ID: BARIUM DIOXIDE, 0992

MSDS Date: 10/21/1985

FSC: 6810

NIIN: 00N044675

MSDS Number: BSCFD

### **Responsible Party**

J T BAKER

222 RED SCHOOL LANE

PHILLIPSBURG, NJ 08865

US

Emergency Phone: 800-424-8802; 800-424-9300 (CHEMTREC)

Info Phone: 201-859-2151

Cage: D0811

### **Contractor**

MALLINCKRODT BAKER, INC.

PHILLIPSBURG, NJ 08865

US

800-582-2537

Cage: 70829

### **Ingredients**

BARIUM PEROXIDE; (BARIUM DIOXIDE)

CAS: 1304-29-6

RTECS: CR0175000

Fraction By Weight: 90-100%

OSHA PEL 0.5 MG/M3 (BA)

ACGIH TLV: 0.5 MG/M3 (BA)

### **Hazards**

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO

Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO

Health Hazards Acute and Chronic: ACUTE: CONTACT W/SKIN OR EYES MAY CAUSE SEVERE IRRITATION OR BURNS. DUST MAY IRRITATE NOSE & THROAT.

INGESTION MAY BE FATAL. CHRONIC: EFFECTS OF BARIUM COMPOUNDS MAY INCLUDE BRONCHIAL IRRITATION, DEGENERATION OF CENTRAL NERVOUS SYSTEM, & DAMAGE TO SPLEEN, LIVER & BONE MARROW.

Explanation of Carcinogenicity: NOT RELEVANT

Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

## First Aid

First Aid:CALL MD. INHAL:REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O\*2/ARTF RESP) . INGEST:IF CONSCIOUS, IMMEDIATELY INDUCE VOMITING. EYES:IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINUTES. S KIN:FLUSH W/WATER.

## Fire Fighting

Extinguishing Media:USE WATER SPRAY.  
Fire Fighting Procedures:USE NIOSH/MSHA APPRVD SCBA & FULL PROT EQUIP . MOVE EXPOS CNTNR FROM FIRE AREA IF IT CAN BE DONE W/OUT RISK. USE WATER TO KEEP FIRE-EXPOS CNTNRS COOL.  
Unusual Fire/Explosion Hazard:STRONG OXIDIZER. CONTACT W/OTHER MATERIAL MAY CAUSE FIRE.

## Accidental Release

Spill Release Procedures:WEAR NIOSH/MSHA APPRVD SCBA & FULL PROT CLTHG. KEEP COMBUSTS (WOOD, PAPER, OIL, ETC) AWAY FROM SPILLED MATL. WITH CLEAN SHOVEL, CAREFULLY PLACE MATL INTO CLEAN, DRY CNTNR & COVER; REMOVE FROM AREA. FL USH SPILL AREA W/WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

## Handling

Handling and Storage Precautions:KEEP CONTAINER TIGHTLY CLOSED. STORE SEPARATELY & AWAY FROM FLAMMABLE & COMBUSTIBLE MATERIALS.  
Other Precautions:POISON! DANGER! EXCEPTIONAL HEALTH HAZARD - READ MSDS. STRONG OXIDIZER - CONT W/OTHER MATL MAY CAUSE FIRE. MAY BE FATAL IF SWALLOWED. KEEP FROM CONT W/CLTHG & OTHER COMBUST MATLS. DO NOT GET IN EYES, ON SKIN/ON CLTHG.

## Exposure Controls

Respiratory Protection:A NIOSH/MSHA APPROVED RESPIRATOR W/DUST/MIST FILTER IS RECOMMENDED. IF AIRBORNE CONCENTRATION EXCEEDS CAPACITY OF RESPIRATOR, A NIOSH/MSHA APPROVED SCBA IS ADVISED.  
Ventilation:USE ADEQUATE GENERAL OR LOCAL EXHAUST VENTILATION TO KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE. VENT HOOD.  
Protective Gloves:IMPERVIOUS GLOVES .  
Eye Protection:ANSI APPRVD CHEM WORK GOGGS & (SUPDAT)  
Other Protective Equipment:EMERGENCY EYE WASH & DELUGE SHOWER . LAB COAT, UNIFORM, APRON ARE RECOMMENDED.  
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.  
Supplemental Safety and Health  
EYE PROT:FULL LENGTH FACESHIELD .

## Chemical Properties

HCC:D2  
Melt/Freeze Pt:M.P/F.P Text:842F,450C  
Spec Gravity:4.96 (H\*20=1)  
Solubility in Water:SLIGHT (0.1-1%)  
Appearance and Odor:GRAYISH WHITE POWDER.  
Percent Volatiles by Volume:0

## Stability

Stability Indicator/Materials to Avoid:YES  
ORGANIC MATERIALS, COMBUSTIBLE MATERIALS, MOST COMMON METALS, STRONG REDUCING AGENTS.  
Stability Condition to Avoid:MOISTURE, HEAT, SOURCES OF IGNITION, FLAME.  
Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

## Disposal

Waste Disposal Methods:DISPOSE I/A/W ALL APPLICABLE FEDERAL, STATE & LOCAL ENVIRONMENTAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER: D005 (TOXIC WASTE).

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