

## MATERIAL SAFETY DATA SHEET

### Section 1: Identification of the substances/mixtures and of the company/undertaking

#### A. Product Information-

**Product Name:** MCFARLAND Standard

**Product Code No.:** BA132

**REACH registration no.** - This product is a mixture. REACH registration no. is not available for this product

#### B. Relevant identified uses of the substance/mixture and uses advised against-

Relevant identified uses- For Institutional/Industrial and laboratory use. For *in-vitro* diagnosis. Not for medicinal /Drug use.

#### C. Manufacturer's Name:

BIOMARK LABORATORIES  
135/1, DALVI WADI, DHAIRI,  
Pune - 411 041. INDIA

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### Section 2: Composition/Information on Ingredients

**This mixture is not classified as hazardous.**

#### Formula

#### Reagents:

Sulphuric acid, 1 % (v/v)

Sulphuric acid	1.00 ml
Deionized water	100.00 ml

Barium Chloride, 1.175% (w/v)

Barium chloride	1.175 g
Deionized water	100.00 ml

Irritant material

Hazardous Components	CAS-No.	Hazard Symbol	Risk Phrases	Safety Phrases
Barium chloride	10326-27-9	Toxic	R 20-25	S 45
Sulphuric Acid	7664-93-9	Corrosive	R 35	S 24-26-28-36/37/39-45

### Section 3: Health Hazards Identification

Refer Section 2 and 15.

### Section 4: First Aid Measures

**General Information:** No special measures required.

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**Ingestion:** If swallowed, seek medical attention if symptoms occur. Show physician product label or MSDS.

**Inhalation:** If inhaled, supply fresh air or oxygen. Seek medical attention if breathing becomes labored or difficult

**Eye Contact:** Rinse opened eye for at least 15 minutes under running water, lifting lower and up eyelids occasionally. Seek medical attention.

**Skin Contact:** Remove contaminated clothing. Immediately wash with plenty of soap and water for at least 15 minutes. Wash clothing before reuse. Seek medical attention if irritation develops.

### **Section 5: Fire Fighting Measures**

Use Carbon dioxide, ABC multipurpose dry chemical, or water spray. Fight larger fires with water spray or alcohol resistant foam. Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **Section 6: Accidental Release Measures**

**Personal Precautions:** Wear suitable protective clothing. Remove contaminated exhaustion at the workplace.

**Environmental Precautions:** Prevent dispersion of material. Wipe up with damp sponge or mop.

**Clean-up Methods:** Avoid prolonged or repeated exposure. Absorb material, ventilate area, and wash spill site after material has been cleaned up. Avoid inhalation, contact with eyes and skin. Prevent formation of dust.

### **Section 7: Handling and Storage**

**Handling:** Refer to Section 8

**Storage:** Store below 30°C.

### **Section 8: Exposure Controls/ Personal Protection**

Wear appropriate NIOSH/MSHA-approved respirator, chemical-resistant gloves, safety goggles, other protective clothing. Mechanical exhaust required.

### **Section 9: Physical and Chemical Properties**

**Appearance:** Clear liquid

**Colour:** Colourless

### **Section 10: Stability and Reactivity**

**Stability:** Stable under recommended storage and handling conditions

**Conditions to avoid:** Exposure to heat and light.

### **Section 11: Toxicological Information**

**LD/LC50 values that are relevant:** N/A

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**Carcinogenicity:** Not listed.

### **Section 12: Ecological Information**

**Ecotoxicity Tests:** No specific data available.

### **Section 13: Disposal Considerations**

**Disposal consideration:** Non- hazardous waste. Dispose of according to all federal, state and local applicable regulations.

**Container information:** Containers should be cleaned by appropriate methods and then reused or disposed of by landfill or incineration as applicable.

### **Section 14: Transport Information**

#### **14.1 UN number**

ADR/RID: - IMDG: - IATA: -

#### **14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

#### **14.3 Transport hazard class(es)**

ADR/RID: - IMDG: - IATA: -

#### **14.4 Packaging group**

ADR/RID: - IMDG: - IATA: -

#### **14.5 Environmental hazards**

ADR/RID: no IMDG Marine pollutant: no IATA: no

#### **14.6 Special precautions for user-no**

#### **Further information**

Not classified as dangerous in the meaning of transport regulations.

### **Section 15: Regulatory Information**

#### **Risk Phrases:**

R20, Harmful by inhalation.

R25, Toxic if swallowed.

R35, Causes severe burns.

#### **Safety Phrases:**

S45, In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S24, Avoid contact with skin.

S 26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S28, After contact with skin, wash immediately with plenty of water.

S35, This material and its container must be disposed of in a safe way

S 36/37/39, Wear suitable protective clothing, gloves and eye/face protection.

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**Section 16: Other Information**

Information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information. Users of this material should satisfy themselves by independent investigation of current scientific or medical information that this material may be safely handled.