

# MATERIAL SAFETY DATA SHEET

KAOLIN  
CAROLINA BIOLOGICAL

Revised: 09/05/00  
Replaces: None  
Printed: 04/08/06

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## PRODUCT IDENTIFICATION

PRODUCT NAME: KAOLIN  
COMMON SYNONYMS: KAOLINITE; CHINA CLAY; BOLUS ALBA; PORCELAIN CLAY  
CHEMICAL FAMILY: NATURAL PRODUCTS  
FORMULA:  $Al_2O_3 \cdot 2SiO_2 \cdot 2H_2O$   
FORMULA WT.: N/A  
CAS NO.: 1332-58-7  
NIOSH/RTECS NO.: N/A  
PRODUCT USE: LABORATORY REAGENT  
PRODUCT CODES: 2240,2242

CHEMTREC # (800) 424-9300 NATIONAL RESPONSE CENTER # (800) 424-8802  
J.T.BAKER INC. 222 RED SCHOOL LANE PHILLIPSBURG, NJ 08865 24-HOUR  
EMERGENCY TELEPHONE -- (201) 859-2151

EFFECTIVE: 01/04/94 ISSUED: 04/08/95  
REVISION #04

### PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* SYSTEM

HEALTH	-	0	NONE
FLAMMABILITY	-	0	NONE
REACTIVITY	-	0	NONE
CONTACT	-	1	SLIGHT

LABORATORY PROTECTIVE EQUIPMENT

GOGGLES; LAB COAT

### U.S. PRECAUTIONARY LABELING

#### CAUTION

MAY CAUSE IRRITATION.  
DURING USE AVOID CONTACT WITH EYES, SKIN, CLOTHING. WASH THOROUGHLY  
AFTER  
HANDLING. WHEN NOT IN USE KEEP IN TIGHTLY CLOSED CONTAINER.

### INTERNATIONAL LABELING

AVOID CONTACT WITH EYES. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH  
PLENTY OF WATER. KEEP CONTAINER TIGHTLY CLOSED.

SAF-T-DATA\* STORAGE COLOR CODE: ORANGE (GENERAL STORAGE)

## COMPONENTS

COMPONENT	CAS NO.	WEIGHT %	OSHA/PEL
ACGIH/TLV KAOLIN MG/M	1332-58-7	90-100	10 MG/M 10

## PHYSICAL DATA

BOILING POINT: N/A VAPOR PRESSURE (MMHG): N/A

MELTING POINT: N/A VAPOR DENSITY (AIR=1): N/A

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SPECIFIC GRAVITY: 2.60  
(H<sub>2</sub>O=1)

EVAPORATION RATE: N/A

SOLUBILITY(H<sub>2</sub>O): NEGLIGIBLE (<0.1%)

% VOLATILES BY VOLUME: 0  
(21 C)

PH: N/A

ODOR THRESHOLD (P.P.M.): N/A

PHYSICAL STATE: SOLID

COEFFICIENT WATER/OIL DISTRIBUTION: N/A

APPEARANCE & ODOR: WHITE TO YELLOW POWDER.

### **FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT (CLOSED CUP): N/A

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: UPPER - N/A LOWER - N/A

FIRE EXTINGUISHING MEDIA

USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES

NONE IDENTIFIED.

UNUSUAL FIRE & EXPLOSION HAZARDS

NONE IDENTIFIED.

TOXIC GASES PRODUCED

NONE IDENTIFIED

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT

NONE IDENTIFIED.

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE

NONE IDENTIFIED.

### **HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE (TLV/TWA): 10 MG/M

SHORT-TERM EXPOSURE LIMIT (STEL): NOT ESTABLISHED

PERMISSIBLE EXPOSURE LIMIT (PEL): 10 MG/M

TOXICITY OF COMPONENTS

NO INFORMATION IS AVAILABLE

CARCINOGENICITY: NTP: NO IARC: NO Z LIST: NO OSHA REG: NO

CARCINOGENICITY

NONE IDENTIFIED.

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REPRODUCTIVE EFFECTS  
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### EFFECTS OF OVEREXPOSURE

INHALATION: IRRITATION OF UPPER RESPIRATORY TRACT  
SKIN CONTACT: PROLONGED CONTACT MAY CAUSE IRRITATION  
EYE CONTACT: NONE IDENTIFIED  
SKIN ABSORPTION: NONE IDENTIFIED  
INGESTION: NONE IDENTIFIED  
CHRONIC EFFECTS: NONE IDENTIFIED

TARGET ORGANS  
NONE IDENTIFIED

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE  
NONE IDENTIFIED

PRIMARY ROUTES OF ENTRY  
INHALATION, SKIN CONTACT

### EMERGENCY AND FIRST AID PROCEDURES

INGESTION: IF SWALLOWED AND THE PERSON IS CONSCIOUS, IMMEDIATELY  
GIVE  
LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION.

INHALATION: IF A PERSON BREATHE IN LARGE AMOUNTS, MOVE THE  
EXPOSED  
PERSON TO FRESH AIR.

SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH PLENTY  
OF  
SOAP AND WATER FOR AT LEAST 15 MINUTES.

EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY  
OF  
WATER FOR AT LEAST 15 MINUTES.

### SARA/TITLE III HAZARD CATEGORIES AND LISTS

ACUTE: NO CHRONIC: YES FLAMMABILITY: NO PRESSURE: NO REACTIVITY: NO

EXTREMELY HAZARDOUS SUBSTANCE: NO  
CERCLA HAZARDOUS SUBSTANCE: NO  
SARA 313 TOXIC CHEMICALS: NO  
TSCA INVENTORY: YES

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### **REACTIVITY DATA**

STABILITY: STABLE  
OCCUR

HAZARDOUS POLYMERIZATION: WILL NOT

CONDITIONS TO AVOID: NONE DOCUMENTED

INCOMPATIBLES: NONE IDENTIFIED

DECOMPOSITION PRODUCTS: NONE IDENTIFIED

### **SPILL & DISPOSAL PROCEDURES**

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE

WEAR SUITABLE PROTECTIVE CLOTHING. CAREFULLY SWEEP UP AND REMOVE.

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

### **INDUSTRIAL PROTECTIVE EQUIPMENT**

VENTILATION: USE ADEQUATE GENERAL OR LOCAL EXHAUST

VENTILATION TO

KEEP FUME OR DUST LEVELS AS LOW AS POSSIBLE.

RESPIRATORY PROTECTION: RESPIRATORY PROTECTION REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS

ABOVE 10

MG/M , A DUST/MIST RESPIRATOR IS RECOMMENDED.

EYE/SKIN PROTECTION: SAFETY GOGGLES, PROPER GLOVES ARE RECOMMENDED.

### **STORAGE AND HANDLING PRECAUTIONS**

SAF-T-DATA\* STORAGE COLOR CODE: ORANGE (GENERAL STORAGE)

STORAGE REQUIREMENTS

KEEP CONTAINER TIGHTLY CLOSED. SUITABLE FOR ANY GENERAL CHEMICAL STORAGE AREA.

### **TRANSPORTATION DATA AND ADDITIONAL INFORMATION**

DOMESTIC (D.O.T.)

PROPER SHIPPING NAME: CHEMICALS, N.O.S. (NON-REGULATED)

INTERNATIONAL (I.M.O.)

PROPER SHIPPING NAME: CHEMICALS, N.O.S. (NON-REGULATED)

MARINE POLLUTANTS: NO

AIR (I.C.A.O.)

PROPER SHIPPING NAME: CHEMICALS, N.O.S. (NON-REGULATED)

U.S. CUSTOMS HARMONIZATION NUMBER: 25070000004

NOTE: WHEN HANDLING LIQUID PRODUCTS, SECONDARY PROTECTIVE CONTAINERS

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