

MATERIAL SAFETY DATA SHEET

15594

10/85

Approved by U. S Department of Labor Essentially Similar to Form OSHA-20

SUPPLIER			
ADDRESS			
CHEMICAL NAME AND SYNONYMS	Barium carbonate	TRADE NAME	Barium carbonate
CHEMICAL FAMILY	Barium salt	FORMULA	BaCO ₃

I. PHYSICAL DATA

BOILING RANGE	n.a.	API GRAVITY	n.a.
SPECIFIC GRAVITY (Water=1)	4,3	POUNDS/GAL	n.a.
VAPOR PRESSURE (mm of Hg) at 20°C	n.a.	VAPOR DENSITY (Air=1)	n.a.
SOLUBILITY IN WATER	0,02 g/l H ₂ O at 20°C	SOLUBILITY IN ACID (85% H ₂ SO ₄)	n.a.
EVAPORATION RATE (Ether=1)	n.a.	PER CENT VOLATILE BY VOLUME	n.a.
APPEARANCE	white powder	ODOR	n.a.
KAURI BUTANOL SOLVENCY	n.a.	ODOR	n.a.

II. HAZARDOUS INGREDIENTS

MATERIAL	VOLUME PER CENT	TLV (Units)
BaCO ₃ (toxic substance)	98-99,5	

III. FIRE AND EXPLOSION HAZARD DATA

LOWER FLAMMABLE LIMIT IN AIR (Per Cent by Volume)	n.a.	D.O.T. CLASSIFICATION	class 6.1, UN 1564
FLASH POINT (Test Method)	n.a.	FLAMMABILITY CLASSIFICATION	non flammable
EXTINGUISHING MEDIA	n.a.		
SPECIAL FIRE FIGHTING PROCEDURES	n.a.		
UNUSUAL FIRE AND EXPLOSION HAZARDS	n.a.		

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IV. HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE	
EFFECTS OF OVEREXPOSURE	Ingestion is harmful: poisoning causes an overall infirmity and paralysis, shortness of breath, cyanosis, disorder of the heart rhythm and gastrointestinal troubles as a result of a damage of all kinds of muscles
EMERGENCY AND FIRST AID PROCEDURES	Skin : wash with copious amount of H ₂ O Ingestion is harmful : drink a diluted solution of Sodium sulfate, consult physician immediately

V. REACTIVITY DATA

STABILITY		CONDITIONS TO AVOID	contact with acids	INCOMPATIBILITY (Materials to Avoid)	
UNSTABLE	STABLE X				
HAZARDOUS POLYMERIZATION		CONDITIONS TO AVOID		HAZARDOUS DECOMPOSITION PRODUCTS	Barium oxide (BaO) Carbon dioxide (CO ₂)
MAY OCCUR	WILL NOT OCCUR X				

VI. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Clean the floor with a broom; further see below
WASTE DISPOSAL METHOD	React with an aqueous solution of sodium sulfate or with sulfuric acid to get the unhazardous Barium sulfate

VII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)	dust mask	
VENTILATION	LOCAL EXHAUST	
	MECHANICAL (General)	
PROTECTIVE GLOVES		
OTHER PROTECTIVE EQUIPMENT		

PRECAUTIONARY LABELING	Toxic if swallowed 
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OTHER HANDLING AND STORAGE PRECAUTIONS AND CONDITIONS	Do not store together with acids, keep away from foodstuff, drinks and animal feed open and handle with care, avoid the formation of dust		
DATE	10/85	SIGNATURE OF PERSON RESPONSIBLE FOR DATA	