



MATERIAL SAFETY DATA SHEET
COMPLIES WITH 29 CFR 1910.1200.
OSHA HAZARD COMMUNICATION RULE

DATE OF LAST REVISION: 06-08-89

CHEMICAL IDENTITY

LABEL IDENTITY	Calcium Titanate
CHEMICAL NAME/SYNONYMS	Calcium Titanate
CHEMICAL FORMULA	CaTiO₃
CHEMICAL NATURE	Double metal oxide
CAS REGISTRY NUMBER	12049-50-2
HAZARDOUS INGREDIENTS	Calcium Titanate
%: 100	TLV: not established OSHA/PEL: not established

PHYSICAL AND CHEMICAL PROPERTIES

COLOR, FORM AND ODOR	Light tan powder, no odor
BOILING POINT	ND
FREEZE POINT	1975°C
SPECIFIC GRAVITY	3.98
VAPOR PRESSURE @ 20°C	NA
VAPOR DENSITY (AIR=1)	Not pertinent
SOLUBILITY IN WATER	Insoluble
% VOLATILES BY WEIGHT	NA

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	Not flammable
AUTOIGNITION TEMPERATURE (°C)	Not flammable
FLAMMABLE LIMITS IN AIR, % BY VOLUME	NA
EXTINGUISHING MEDIA	Not flammable
SPECIAL FIRE FIGHTING PROCEDURES	None
UNUSUAL FIRE & EXPLOSION HAZARDS	None



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HEALTH HAZARD INFORMATION

THRESHOLD LIMITS: **Not established**

EFFECTS OF OVEREXPOSURE: (*acute*) may irritate skin, eyes and throat. (*Chronic*) may affect breathing capacity.

EMERGENCY AND FIRST AID PROCEDURES: **remove from exposure. Eyes: flush with water for at least 15 minutes. Inhalation/Ingestion: seek competent medical attention.**

REACTIVITY DATA

STABILITY	Stable
CONDITIONS CONTRIBUTING TO UNSTABILITY	No data
INCOMPATIBILITY (MATERIALS TO AVOID)	No data
HAZARDOUS DECOMPOSITION PRODUCTS	No data
HAZARDOUS POLYMERIZATION	Will Not Occur
CONDITIONS TO AVOID	NA

SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: **cover with moist sweeping compound, mix well, transfer to properly marked metal container, close tightly and retain for disposal. Wash spill area with soap and water.**

WASTE DISPOSAL METHOD: **In accordance with local, state and federal regulations for disposal of inert metal oxides.**

SPECIAL PROTECTIVE INFORMATION

RESPIRATORY PROTECTION	NIOSH/MSHA approved dust respirator
LOCAL EXHAUST	Acceptable
MECHANICAL (general)	Acceptable
PROTECTIVE GLOVES	Rubber
EYE PROTECTION	Safety goggles and safety glasses
OTHER PROTECTIVE EQUIPMENT	Laboratory coat or coveralls



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SPECIAL PRECAUTIONS

PRECAUTIONARY LABELING: **caution: Do not swallow or inhale. Avoid contact with eyes. Wash thoroughly after handling.**

OTHER HANDLING AND STORAGE CONDITIONS: **protect container against physical damage. Keep container closed when not in use.**

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NA= NOT APPLICABLE

ND= NO DATA FOUND

NR=NOT RECORDED