

5140

4128464123 CCC
MATERIAL SAFETY DATA SHEET

SPEC./MSDS NUMBER DATE 10-30-85

MSDS 2-1048 (3/85)

PRODUCT IDENTIFICATION

TRADE NAME: Rutile **Powdered (Dark)**
 MANUFACTURER'S NAME: Ceramic Color & Chemical Mfg. Co.
 ADDRESS (STREET): 13th Street & 11th Avenue
 CITY: New Brighton, PA STATE: ZIP: 15066
 GENERIC NAME: Rutile Ore
 CAS NUMBER: 134663-67-7
 PHONE NUMBER (EMERGENCY): 412-846-4000
 CHEMICAL STRUCTURE: TiO₂

I. PRODUCT INGREDIENTS

CHEMICAL AND/OR COMMON NAME	CAS NUMBER	%	TLV/PEL
TiO ₂ Titanium Dioxide	134663-67-7	97.0 Min	10mg/m ₃
SiO ₂ Free Silica (Quartz)	1480-60-7	.95 Max	10mg/m ₃
ZrO ₂ Zirconium Oxide	14940-68-2	1.0 Max	5mg/m ₃
Fe ₂ O ₃ Iron Oxide	1309-37-1	1.0 Max	5mg/m ₃
Al ₂ O ₃ Aluminum Oxide	1344-28-1	.5 Max	10mg/m ₃

II. PHYSICAL DATA

BOILING POINT Not Applicable	VAPOR PRESSURE Not Applicable	SPECIFIC GRAVITY 4.0 - 4.6	MELTING POINT 1640 C
SOLUBILITY IN WATER Insoluble	VAPOR DENSITY (AIR=1) Will not evaporate	PERCENT VOLATILE Not Volatile	EVAPORATION RATE Not Applicable
APPEARANCE AND ODOR			

III. FIRE AND EXPLOSION DATA

FLASH POINT Will not burn	FLAMMABLE LIMITS Not applicable	LEL N/A	UEL N/A
EXTINGUISHING MEDIA Not flammable	SPECIAL FIREFIGHTING PROCEDURES None, use whatever procedures are necessary for surrounding products		
UNUSUAL FIRE OR EXPLOSION HAZARDS Does not burn or explode.			

IV. HEALTH HAZARD INFORMATION

HAZARD BY ROUTES OF EXPOSURE (Indicate chronic and acute)

INHALATION: Deposits on mucous membranes - nuisance dust.

INGESTION: No adverse effects are seen in animals after ingestion.

EYE: Irritant if particles lodge in eye, physical discomfort only.

SKIN CONTACT/ABSORPTION: Solid particles will not absorb.

SIGNS AND SYMPTOMS ASSOCIATED WITH EXPOSURE OVER TLV: No harmful effects are known to be caused by exposure of Titanium compounds above the published TLV limit.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED
None known.

ANY OF PART I LISTED AS CARCINOGENS? (NTP, IARC, OSHA)
No part or ingredient listed as a carcinogen by IARC, NTP/ASHA or ACGIH

HEALTH HAZARD INFORMATION CONTINUED ON BACK