

MATERIAL SAFETY DATA SHEET
ILMENITE

Product/Material: Ilmenite
Supplier: Ceramic Color & Chemicals Mfg. Co.
Address: 13th Street & 11th Avenue, New Brighton, PA 15066
Emergency Tel. No.: (724) 846-4000

SECTION I – Product Identification

Trade Name: Ilmenite
Synonym: Ferrous Titanate-Titanic Iron Ore
Chemical Family: Metal Oxide
Formula: FeTiO₂

SECTION II – Hazardous Ingredients

Ilmenite mineral as shipped does not pose a hazard to health because the particles are larger than the respiratory size range. If product is ground, a nuisance dust will result.

SECTION III – Physical Data

Boiling Point (°F): Not Applicable
Vapor Pressure (mm Hg): Not Applicable
Vapor Density: Not Applicable
Solubility in Water: Insoluble
Specific Gravity (H₂O=1): 4.3
Percent Volatile by Weight: 0
Evaporation Rate: 0
Appearance and Odor: Black, free-flowing solid, odorless.

SECTION IV – Fire and Explosion Hazard Data

Flash Point (Method Used) Non-flammable
Flammable Limits: LEL - Non-flammable
UEL - Non-flammable
Extinguishing Media: Not applicable
Special Fire Fighting Procedures: Not applicable
Unusual Fire and Explosion Hazards: Not applicable

SECTION V – Health Hazard Data

Threshold Limit Values: Inert or Nuisance dust –
5 mg/M³ respirable (ACGIH & OSHA)
10 mg/M³ total dust (ACGIH)
15 mg/M³ total dust (OSHA)

Effects of Overexposure: May cause mechanical irritation to eyes and respiratory tract.

Emergency and First Aid Procedures: Wash dust from skin with soap and water. Flush out eyes with generous amounts of water for at least 15 minutes. See a Physician.

SECTION VI – Reactivity Data

Product is stable.

Incompatibility: N/A

Hazardous Decomposition Products: None

Hazardous Polymerization will not occur.

SECTION VII – Spill or Leak Procedures

Ilmenite material is chemically inert. Special clean-up procedures are not required should a spill occur.

SECTION VIII – Special Protection Information

Eye Protection (Use Most Appropriate): Safety Glasses, Goggles, Face Shield.

Skin Protection: Leather or rubber gloves.

Respiratory Protection: Use of dust respirator is recommended when exposure limits may be exceeded.

Ventilation: Local exhaust ventilation to collector or containment recommended to control dust to below exposure limits.

SECTION IX – SPECIAL PRECAUTIONS

Good industrial hygiene practice requires that employee exposure be maintained below the recommended TLV. This is preferably achieved through the Provision of adequate ventilation where necessary. Where dust cannot be controlled in this way, personal respiratory protection should be employed.

Revision date: 3/02

NOTICE: The data and recommendations presented herein are based upon data which is considered to be accurate. However, CCC makes no Guarantee or warranty, either expressed or implied, of the accuracy or completeness of these data and recommendations.