



## SAFETY DATA SHEET

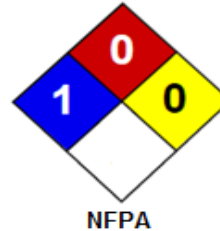
## SECTION 1. IDENTIFICATION

**Chemical name:** mixture (Potassium Magnesium Titanate)**Recommended Applications:**Used singularly or as a component in plastics, welding or friction industries.**Other Names:** Potassium Magesium Titanate FR, PMT, PMT-FR

**Manufacturer Information:** TAM Ceramics, LLC (#220821)  
 4511 Hyde Park Blvd Niagara Falls, NY 14305  
 Phone Number: 716-278-9400

**Website:** [www.tamceramics.com](http://www.tamceramics.com)

**CHEMICAL EMERGENCY**      **CHEMTREC 24 HOUR EMERGENCY TELEPHONE**  
**Spill, Leak, Fire, Exposure**      **DOMESTIC NORTH AMERICA 800-424-9300**  
**or Accident**      **INTERNATIONAL CALL: 703-527-3887**  
**Collect Calls Accepted**



Health	1
Fire	0
Reactivity	0
Personal Protection	X

HMIS

## SECTION 2. HAZARDS IDENTIFICATION

**GHS Pictogram:****Signal word:****WARNING****GHS classification:**

Eye irritation, Category 2  
 Skin irritation, Category 2

**Hazard Statement:**

Inert particles can be slightly, mechanically irritating to the eyes.  
 Prolonged skin contact may cause skin irritation or dermatitis.  
 Overexposure by inhalation may cause respiratory irritation.

**Precautionary Statement:**

Wash hands thoroughly after handling. Minimize exposure by wearing protective glove; clothing, eye protection and respiratory masks. Have a clean change of works clothes readily available. Avoid dust formation and utilize good housekeeping practices.

**Route of Exposure:**

Eyes, skin, inhalation and ingestion.

**Potential Health Effects:**

**Eye:** May cause a slight irritation.  
**Skin:** May cause a slight irritation.  
**Inhalation:** Prolonged inhalation may cause respiratroy tract irritations.  
**Ingestion:** May irritate digestive tract if swallowed.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	Weight %	OSHA	ACGIH
Potassium Magnesium Titanate	39290-90-9	100%	Not established	Not established

## SECTION 4. FIRST AID MEASURES

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids. Get medical attention if irritation develops.**Skin contact:** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.**Inhalation:** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.**Ingestion:** Drink plenty of water. Consult a physician if necessary. Do not induce vomiting without medical advice.**Notes to physician:** Treat symptomatically.

## SECTION 5. FIRE-FIGHTING MEASURES

**Flash point:** No data available

**Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors.

**Special protective equipment for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH (approved or equivalent) and full protective gear.

**Unusual hazards:** No unusual hazards known at this time.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Avoid dust formation. Evacuate area of all unnecessary personnel. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

**Methods for cleaning up:** Use approved industrial vacuum cleaner for removal. Wear personal protective equipment. Dispose of promptly

## SECTION 7. HANDLING AND STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Provide appropriate exhaust ventilation at places where dust is formed. Remove all sources of ignition. Wash hands thoroughly before eating, drinking or smoking.

**Storage:** Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

**Respiratory protection:** Use NIOSH approved respirator when ventilation is inadequate.

**Hand protection:** Impervious gloves.

**Skin and body protection:** Lightweight protective clothing.

**Eye protection:** Safety glasses with side-shields.

**Exposure limits:** See Section 2.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Color:** White

**Odor:** Odorless

**Boiling point/range (°C):** No data available

**Melting point/range (°C):** No data available

**Vapor pressure (mmHg):** No data available

**Water solubility (mg/l):** Insoluble

**Physical state:** Powder

**Molecular weight:** No data available

**pH:** No data available

**Specific gravity (Water =1):** No data available

**Evaporation rate (Water =1):** No data available

**VOC content (%):** No data available

**Odor threshold:** No Data Available

**Vapor pressure:** No Data Available

**Flash point:** No Data Available

**Flammability (solid, gas):** No Data Available

**Upper/lower flammability or explosive limits:** No Data Available

**Vapor density:** No Data Available

**Relative density:** No Data Available

**Partition coefficient: n-octanol/water:** No Data Available

**Auto-ignition temperature:** No Data Available

**Decomposition temperature:** No Data Available

**Viscosity:** No Data Available

## SECTION 10. STABILITY AND REACTIVITY

**Stability:** Stable at normal conditions.

**Polymerization:** Will not occur.

**Hazardous decomposition products:** None under normal use.

**Materials to avoid:** None known.

**Conditions to avoid:** Avoid dust formation

## SECTION 11. TOXICOLOGICAL INFORMATION

**Acute toxicity:** To the best of our knowledge the acute and chronic toxicity of the substance is not fully known. Skin contact: May cause allergic skin reaction.

**Chronic toxicity:** To the best of our knowledge the acute and chronic toxicity of the substance is not fully known.

**Carcinogenic effects:** Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals.

## SECTION 12. ECOLOGICAL INFORMATION

**Aquatic toxicity:** No information available

**Persistence and degradability:** No information available

## SECTION 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Where possible, recycling is preferred to disposal or incineration.

SECTION 14. TRANSPORT INFORMATION

**DOT:**

Proper shipping name: Not regulated.

**TDG (Canada):**

Proper shipping name: Not regulated.

SECTION 15. REGULATORY INFORMATION

**U.S. Regulations:**

**Not subject to the provisions of SARA 313 Title III**

**Not subject to TSCA 12(b) Export Notification**

**State Regulations**

This product or its ingredients have been evaluated for New Jersey, Pennsylvania, and California Prop 65 supplier notification requirements. Substances that are subject to notification requirements, if any, are listed below.

Titanium Dioxide

**NJRTK:** sn 1861

**PARTK:** Listed (NJRTK)

**Canadian WHMIS**

WHMIS hazard class for this product or ingredients: D2A Very toxic materials.

**International Inventories**

TSCA 8(b): All the ingredients are on the TSCA list.

Canadian DSL: All the ingredients are on the DSL.

EINECS: All the ingredients are on the EINECS list.

Philippines (PICCS): Listed.

Japan (ENCS): Listed.

Korea (KECL): Listed.

China (IECS): Listed.

Australia (AICS): Listed.

SECTION 16. OTHER INFORMATION

**For Industrial Use Only**

**National Fire Protection Association (U.S.A.):**

**Health:** 1

**Fire:** 0

**Physical Hazard:** 0

**PPE:** X

**Prepared by:** Product Manufacturer, TAM Ceramics Group of NY, LLC

**Protective Equipment:** Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

The information and recommendations contained in this Safety Data Sheet have been compiled from sources believed to be reliable and to represent the most reasonable current opinion on the subject when the SDS was prepared. No warranty, guaranty or representation is made as to the correctness or sufficiency of the information. The user of this product must decide what safety measures are necessary to safely use this product, either alone or in combination with other products, and determine its environmental regulatory compliance obligations under any applicable federal or state laws.

Last Updated: May 2015

**End of Safety Data Sheet**