

MATERIAL SAFETY DATA SHEET

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1) IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product Code: PE12309

Product Name: White Masterbatch

Chemical Formula: PE, TiO₂

Chemical Characterization: Color & Additive Concentrates and Compounds

Use of the Substance/Preparation: Recommended Use in Plastic products

Company Identification: Guangdong Meilian New Material Technology Co., Ltd

2) COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%
TiO ₂	70.2

3) HAZARDS IDENTIFICATION

Indication of Danger: Not dangerous goods

Most Important Hazards: None

4) FIRST AID MEASURES

- **Inhalation:** No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If dust or fumes are excessive levels to be removed to fresh air. Get medical attention if cough or other symptoms develop.
- **Skin Contact:** For hot product, immediately immerse in, or flush the affected area with large amounts of cold water. Cover with clean cotton sheeting or gauze and get prompt medical attention. Do not remove material from skin as the damaged flesh can be easily torn. Flush with large amounts of cool water. If irritation persists, contact physical.
- **Eye Contact:** Flush eyes with plenty of water. If irritation persists, consult a physical.
- **Ingestion:** Not likely to be ingested in present form.

5) FIRE-FIGHTING MEASURES

- **Suitable Extinguishing Media:** Use dry chemical, foam, carbon dioxide or water spray
- **Extinguishing media, which must not be used for safety reasons:** No information available
- **Special protective equipment for firefighters:** In the case of irrespirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit

6) ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** No information available
- **Environmental Precautions:** Do not contaminate water
- **Methods for cleaning up:** Sweep up and shovel into suitable containers for disposal

7) HANDLING AND STORAGE:

- **Handling:** Use with adequate ventilation. Minimize dust generation.
- **Storage:** Store at ambient temperature and keep dry

8) EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures to reduce exposure: If process generates dust, fumes or mist, use ventilation to keep exposure to airborne below the exposure limit
- Exposure limit(s):
- Occupational exposure controls:
- Personal Protective Equipment:
- Respiratory Protection: If dust, smoke or fumes are generated in processing or handling, wear appropriate approved respiratory protection to keep concentration below the permissible exposure limit.
- Hand protection: Wear suitable gloves to protect against specific hazard
- Eye protection: Wear eye/face protection appropriate for the specific hazard
- Skin and body protection: Wear suitable gloves to protect against specific hazard.
- Work/Hygiene Practices: Do not breathe fumes/mist Avoid contact with skin.
- Environmental exposure controls: Do not flush into surface water or sanitary sewer system

9) PHYSICAL AND CHEMICAL PROPERTIES

General Information

- Physical state: Solid
- Odor: No Odor
- Color: White
- Specific gravity: 23°C 1.932g/cm³

Important Health Safety and Environmental Information

- PH - Not applicable
- Boiling point/range - Not applicable
- Flammability (solid, gas) - No information applicable
- Explosive properties - No information applicable
- Oxidizing properties - No information applicable
- Vapor pressure - No information applicable
- Solubility - Insoluble
- Partition coefficient (n-octanol/water) - Not applicable
- Viscosity - Not applicable
- Vapor density - No information applicable
- Evaporation rate - No information applicable

10) STABILITY AND REACTIVITY

- Stability: Stable under recommended storage conditions
- Conditions to avoid: Do not store near heat, flame or strong oxidants. Minimize dust generation and accumulation
- Materials to avoid: No information available
- Hazardous decomposition products: Oxides of carbon
- Polymerization: Unknown

11) TOXICOLOGICAL INFORMATION

Product Information: Compound of PE, TiO₂

Local effects

- Skin irritation - No data available
- Eye irritation - No data available
- Inhalation - Health injuries are not know or expected under normal use
- Ingestion - Health injuries are not know or expected under normal use

- Sensitization - No information available
- Acute toxicity - No information available
- Chronic toxicity - No information available

Specific effects

- Carcinogenic effects - Crystalline silica is classified by IARC: A2 suspect human carcinogen by inhalation. Chronic exposure to dust can cause silicosis (lung disease). When encapsulated in a plastic matrix, risk of exposure is decreased. Protect workers from dust exposures during handling or grinding operation.
- Mutagenic effects: Not considered to be mutagenic
- Reproductive toxicity: Not believe to be a reproductive hazard
- Target organ effects: Skin Eyes Respiratory tract

12) ECOLOGICAL INFORMATION

- Ecological effects: N/A
- Product information: N/A
- Aquatic toxicity: N/A
- Other information: N/A
- Additional ecological information: N/A

13) DISPOSAL CONSIDERATIONS

- Waste form residues / unused products: Dispose in accordance with local regulations
- Further information: Waste codes should be assigned by based on the application for which the product was used

14) TRANSPORT INFORMATION

- UN/Id No - No information available
- ADR/RID - Not regulated for transport
- IMDG /IMO - Not regulated for transport
- ICAO/IATA - Not regulated for transport

15) REGULATORY INFORMATION

- In accordance with local and national regulations
- Indication of danger: Not dangerous goods

16) OTHER INFORMATION

The information on this data sheet represents our current knowledge as to the proper use and handling of this product under normal conditions. Any use of the product not in conformance with this data sheet or which involves using this product in combination with any other product or any other process is the responsibility of the user.