

SAFETY DATA SHEET (SDS)

Molding Putty

According to GHS and International Regulatory Standards

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE

Product Name: Molding Putty (Contour Shaping Putty)

Product Description: Non-curing composite material with zero volatile organic compounds (VOCs), Fabricated from a saturated hydrocarbon matrix and inert organic fillers.

Recommended Use: Filling gaps, voids, and contouring irregular shapes to provide a smooth profile for subsequent overwrapping.

Manufacturer: Shandong Quanmin Plastic Co., Ltd.

Address: North of Shengli Oil Extraction Plant Tuo Si Joint Station, Dongying City, Shandong Province, China.

Emergency Phone: +86-546-8740309

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification	Not classified as hazardous according to GHS criteria.
Label Elements	None (Not a hazardous mixture).
Physical/Chemical Hazards	Stable and non-reactive. No VOC emission. Not flammable but will burn in sustained fire.
Human Health Hazards	Essentially non-irritating. No inhalation risk at ambient temperatures.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Weight %	Note
Saturated Hydrocarbon Polymers (PIB/Butyl)	9003-27-4 / 9003-29-6	35% - 55%	Non-curing matrix

Chemical Name	CAS Number	Weight %	Note
Inert Organic/Mineral Fillers	Proprietary	40% - 60%	Structural stability
Antioxidants & Stabilizers	Mixture	< 2%	Long-term aging resistance

SECTION 4: FIRST AID MEASURES

- **Eye Contact:** Flush with clean water for at least 15 minutes. If irritation persists, seek medical attention.
- **Skin Contact:** Wipe off with a cloth. Wash with soap and water. The product is designed to be skin-safe, but sensitive individuals should monitor for redness.
- **Inhalation:** Not applicable under normal conditions (0% VOC). If exposed to fumes from extreme overheating, move to fresh air.
- **Ingestion:** Do not induce vomiting. Give water to rinse mouth. Seek medical advice if large quantities are ingested.

SECTION 5: FIREFIGHTING MEASURES

- **Extinguishing Media:** Foam, dry chemical, or Carbon Dioxide (CO₂).
- **Unsuitable Media:** Do not use high-pressure water jets as they may spread the molten material.
- **Specific Hazards:** Thermal decomposition may release carbon oxides and low-molecular-weight hydrocarbons.
- **Special PPE:** Firefighters should wear self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

The product is a high-viscosity, putty-like solid. Spills are unlikely to flow. Collect mechanically using a spatula or scraper. Place in suitable containers for disposal. Clean the surface with a degreasing agent to prevent slip hazards.

SECTION 7: HANDLING AND STORAGE

- **Handling:** No special technical measures required. Practice good industrial hygiene. Wash hands after use.

- **Storage:** Store in a cool, dry place away from direct sunlight and strong oxidizing agents.
- **Shelf Life:** Indefinite when stored correctly due to the non-curing nature of the matrix.
- **Storage Temp:** -10°C to 45°C recommended.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	General ventilation is adequate
Respiratory Protection	Not required under normal use
Hand Protection	Nitrile or PVC gloves recommended for prolonged handling
Eye Protection	Safety glasses recommended if there is a risk of contact during application

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Pasty, putty-like solid	VOC Content	0 g/L (Zero VOC)
Color	Brown, Grey, or Black	Odour	Odourless / Negligible
Density	1.2 - 1.5 g/cm ³	Solubility	Insoluble in water
Curing Type	Non-curing / Permanent Plasticity	Service Temp	-40°C to 90°C (Typical)

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Highly stable. Does not harden, crack, or peel over time.

Reactivity: Inert. No dangerous reactions known.

Incompatible Materials: Strong oxidizers and certain organic solvents.

SECTION 11: TOXICOLOGICAL INFORMATION

Based on the inert nature of the saturated hydrocarbon polymers and organic fillers, this product is considered non-toxic. It contains no hazardous substances that are expected to be released under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

The product is an inert solid, insoluble in water, and has no mobility in soil. It is not biodegradable but is not expected to be toxic to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of as non-hazardous industrial waste in accordance with local, state, and national regulations. Can be disposed of in controlled landfills or by incineration.

SECTION 14: TRANSPORT INFORMATION

UN Number	Not Regulated (Non-hazardous for transport)
ICAO/IATA (Air)	Not restricted
IMDG (Sea)	Not restricted
ADR/RID (Road)	Not restricted

SECTION 15: REGULATORY INFORMATION

All ingredients are listed on the TSCA (USA), EINECS (Europe), and IECSC (China) inventories. This product does not contain substances listed under California Proposition 65 or REACH SVHC (Substances of Very High Concern).

SECTION 16: OTHER INFORMATION

HMIS Rating: Health: 0 | Flammability: 1 | Physical Hazard: 0

Prepared by: Technical Quality Department, Shandong Quanmin Plastic Co., Ltd.

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Disclaimer: The information provided herein is based on data considered accurate at the date of preparation. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.