



PACKAGING
44.09 lb heat-degradable bag

Composition and ingredient information

Product type: Preparation

Chemical nature: Thermoplastic adhesive material for road marking

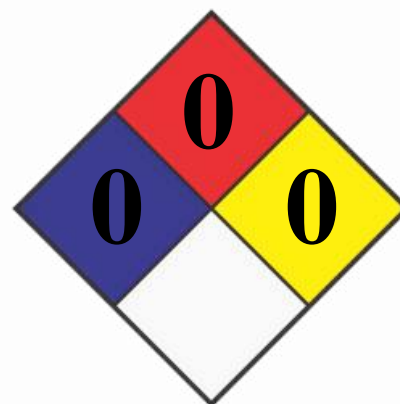
Ingredients:

Chemical name	CAS No.	Concentration range (%)
Calcium carbonate	471-34-1	48.00
Titanium dioxide	13463-67-7	8.00
Maleic resin	N/A	18.50
Glass microspheres	N/A	25.50

N/A: Information not available

IDENTIFICATION OF HAZARDOUS COMPONENTS

- Standard alkyd thermoplastic material
- Color: White
- Thermoplastic materials do not contain hazardous or toxic ingredients and are lead-free.
- They also do not contain components classified as VOCs (Volatile Organic Compounds), carcinogenic, or mutagenic.



HEALTH RISKS

- No health hazards are expected; however, in sensitive individuals, it may cause irritation to the skin, eyes, and respiratory tract in case of:
- **Eye contact:** may cause irritation, pain, and tearing.
- **Inhalation:** overexposure to the product may cause shortness of breath, difficulty breathing, coughing, and irritation of the nose and throat.
- **Ingestion:** non-toxic, but in large quantities may cause constipation.
- **Skin contact:** irritation in sensitive individuals. The molten material may cause severe burns.



FIRST AID ACTIONS

- **Eye Contact:** Rinse with plenty of water for 15 minutes. If contact occurred with molten material or if irritation persists, seek medical attention.
- **Inhalation:** Remove the person from the source of exposure and take them to a well-ventilated area. If breathing has stopped, perform CPR. Seek immediate medical help.
- **Ingestion:** Never administer anything by mouth to an unconscious person. If large amounts were ingested, induce vomiting, rinse the mouth with plenty of water, and then drink water continuously. Seek medical attention.
- **Skin contact:** Wash exposed areas with soap and water, remove contaminated clothing, and seek medical attention if irritation persists. If contact occurs with molten material, apply water or ice immediately. Do not remove the material stuck to the skin. Seek immediate medical help.

PERSONAL PROTECTION

- Use appropriate masks to prevent the inhalation of particles.
- Ensure proper ventilation during mixing and application.
- Wear safety goggles with side protection.
- Use heat-resistant gloves, a helmet, and forearm protection to prevent potential burns.

HANDLING AND STORAGE

- Handle the product in a well-ventilated area and with appropriate personal protective equipment.
- The product should remain sealed in its original packaging until application, stored in a ventilated area, under cover, and protected from direct sunlight. It must be kept away from moisture.

PHYSICAL & CHEMICAL PROPERTIES

Boiling point	Not applicable	Water solubility	Slightly soluble
Evaporation point	Not applicable	Specific gravity	1.70 – 2.15
Softening point	199.4°F – 230°F	Water absorption	<0.50%
Microsphere content	25% minimum	Appearance	Granular powder
Binder	17% minimum	Drying time	< 10 minutes

FIRE AND EXPLOSION HAZARDS

Flash Point: Considered non-flammable material (>474.8° F).

Recommended extinguishing agents: The product is not flammable; however, carbon dioxide (CO₂) or foam is recommended.

Possible hazardous products of combustion: Carbon monoxide (CO) and carbon dioxide (CO₂).

ACTIONS IN CASE OF SPILLING

Collect and transfer using a shovel for reuse or disposal.

- **Environmental precautions:** In the event of a significant spill, remove the material and prevent the product from coming into contact with soil, rivers, or lakes.
- **Waste disposal:** If reuse is not an option, dispose of or recycle according to local regulations.

STABILITY AND REACTIVITY

Under normal storage and use conditions, the product is stable.

- Risk of hazardous polymerization: No risk.
- Incompatible materials or substances: Strong oxidizers and strong acids.
- Products of chemical decomposition: May emit vapors.

ECOLOGICAL INFORMATION

Eco-toxicological studies are not available. It is recommended to avoid direct contact of the product with any water source such as rivers, lakes, and sewage systems. No ecological damage has been reported under normal use.

WASTE DISPOSAL

Waste that is no longer in use should be disposed of in accordance with local regulations. Do not discard this product in sewers, rivers, lakes, or springs.

The packaging is thermodegradable and can be used in the application along with the contained material.

TRANSPORTATION INFORMATION

- Shipping name: **Not regulated**
- UN number: **Not regulated**
- Class: **Not regulated**
- Packing group: **Not regulated**
- Not regulated as a hazardous material for transportation in the United States (DOT) or Canada (TDG)
- Not regulated as a hazardous material for air transport (IATA)
- Not regulated as a hazardous material for sea transport (IMO)