



MATERIAL SAFETY DATA SHEET

Thermoplastic Road Marking Material- White & Yellow

SECTION I: IDENTIFICATION

Product Type:	Thermoplastic Road Marking Material White & Yellow BS EN 1871
Application:	Thermoplastic Road Marking Material
Manufacturer:	RAD PAINT MANUFACTURING LLC Warehouse no.3, Dubai Investment Park 2, Dubai, UAE Tel: +971 44 54 1491 Fax: +971 44 54 1492 Info@rad.ae - roadmarking@rad.ae
Container Size:	Powder mix supplied in meltable polyethylene bags(net weight approx.25kg) Shrink wrapped and palletized.

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

Binder % W/W	18-22
Ballantine (Premix glass beads) % W/W	20-30
Pigments + Glass beads + Aggregates + Fillers % W/W	78-82
Lead chromate only for yellow mix	<1%

SECTION III: PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Powder
Odour:	Characteristic
Melting Point:	70 - 120°C
Flow Resistance (% As Mean Slump):	25% Max
Bulk Density:	1.1 Kg/L
Relative Density:	2 Approx
Flash Point (O C):	>230 CC (Closed Cup)

SECTION IV: FIRST AID MEASURES

Inhalation:	Provide rest, warmth and fresh air. Get medical attention.
Ingestion:	Do not induce vomiting, rinse mouth thoroughly. Get medical attention immediately.
Skin Contact:	Molten material may cause serious burns. Do not attempt to remove cooled material from skin. Seek medical advice. After contact with powder, wash skin thoroughly with soap and water.
Eye Contact:	Powder or dust may cause irritation. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.



SECTION V: FIRE FIGHTING MEASURES

Extinguishing Media:	Product is not flammable, but doesn't support combustion. Dry powder, CO ₂ , foam. Don't use water as extinguisher.
Specification Hazards:	Vapors / gases/ fumes of – carbon monoxide(CO), carbon dioxide(CO ₂)

SECTION VI: ACCIDENTAL RELEASE MEASURES

Personal Protections:	Wear protective clothing.
Environmental Precautions:	Prevent entry of hot materials into drain, sewers and watercourses.
Steps To Be Taken If Material Is Release Or Spilled:	Sweep, shovel or vacuum into container for disposal or reuse.Clean affected area. Allow hot spillages to cool completely then breakup into handleable amounts and dispose of in accordance with Government and Local Authorities.

SECTION VII: PERSONAL PROTECTION INFORMATION

Respiratory Protection:	Wear appropriate vapor/ dust respirator.
Protective Equipment:	Hand gloves, Face Mask, Dust Mask, Hard Shoes & Hat.
Engineering Measures:	Provide adequate ventilation to reduce dust and fumes.
Eye Protection:	Wear goggles, full face shield.
Other Protection:	Wear appropriate clothing to prevent skin contact with hot material.

SECTION VIII: STABILITY & REACTIVITY

Stability:	Stable under normal temperature condition.
Condition to avoid:	Source of ignition.Warm & Moisture.
Hazardous Polymerization:	Will not polymerize.
Materials to avoid: Strong:	Oxidizing substance.

SECTION IX: TOXICOLOGICAL INFORMATION

Toxic Dose 1-LD 50:	5000mg/Kg (oral rat)
Inhalation:	Vapours from heated material may cause irritation to the respiratory system.
Ingestion:	Ingestion of powder may cause nausea, vomiting and diarrhea.
Skin Contact:	Contact with hot material will cause burns.
Eye Contact:	Dust may cause transient irritation.
Other Health Effects:	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.



SECTION X: ECOLOGICAL INFORMATION

Eco toxicity: Unknown.
Mobility: Low mobility in the environment.

SECTION XI: DISPOSAL CONSIDERATIONS

General Information: Don't pour hot material down drains.
Disposable Methods: Dispose of waste and residue in accordance with local authority requirements.

SECTION XII: TRANSPORT INFORMATION

This product is not classified as hazardous for transport and does not need to be labeled.

SECTION XIII: SPECIAL PRECAUTIONS

Protect from moisture damage with appropriate covering. Remove all ignition sources from material handling, transfer and processing areas. Mechanical and local exhaust should be provided in unventilated work areas.

SECTION XIV: MISCELLANEOUS INFORMATIONS

The information provided only relates to the product or material specified and does not apply if used in combination with other materials. The information offered herein is, to the best of our knowledge, true and accurate, but all recommendations are made without warranty, express or implied, since the condition of use are beyond our control, neither RAD Paint Manufacturing LLC, nor its agents shall be liable for any injury, loss or damage, direct or indirect, arising from the use or liability to use the product described herein.