

SAFETY DATA SHEET

Revision Date: May 18, 2026

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SECTION 1: IDENTIFICATION

- **Product Name:** RAL 5005 - Signal Blue - Glossy
- **Product Code:** SD-5005-000-80-SM-R
- **Recommended Use:** Powder Coating
- **Manufacturer/Supplier:**
Kroma Coatings Technology LLC
7030 Huntley Road Ste B
Columbus , OH 43229
- **Emergency Phone:** (614) 647-7345
- **Email:** info@kromacoatings.com

SECTION 2: HAZARD(S) IDENTIFICATION

- **Classification:**
 - Acute Toxicity, Inhalation (Category 4)
 - Skin/Eye Irritation (Category 2B)
 - Combustible Dust
- **Signal Word:** Warning
- **Hazard Statements:**
 - Harmful if inhaled or swallowed.
 - Dust may irritate eyes, skin, and lungs.
 - May form combustible dust concentrations in air.
- **Precautionary Statements:** Avoid breathing dust. Use only in well-ventilated areas. Wear protective gloves and eye protection. Wash hands thoroughly after handling.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- **Barium Sulfate (CAS 7727-43-7):** 25–30%
- **TGIC (CAS 2451-62-9):** 1–10%
- *Note: Other ingredients are non-hazardous or withheld as trade secrets.*

SECTION 4: FIRST-AID MEASURES

- **Inhalation:** Move person to fresh air. Seek medical attention if breathing is difficult.
- **Skin Contact:** Wash with soap and water.
- **Eye Contact:** Flush eyes with clean water for several minutes. Remove contact lenses if present.
- **Ingestion:** Rinse mouth and drink water. Do not induce vomiting. Seek medical attention if symptoms persist.

SECTION 5: FIRE-FIGHTING MEASURES

- **Extinguishing Media:** CO2, water spray, or foam.
- **Special Hazards:** Fine powder dust may create an explosion hazard in the air.
- **Advice for Firefighters:** Wear self-contained breathing equipment and full protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Ensure proper ventilation. Avoid creating airborne dust.

- **Environmental Precautions:** Avoid releasing material into drains or groundwater.
- **Cleanup Methods:** Sweep or collect material mechanically and dispose of properly.

SECTION 7: HANDLING AND STORAGE

- **Handling:** Avoid breathing dust. Use in well-ventilated areas. Minimize dust accumulation.
- **Storage:** Store in a cool, dry place below 77°F (25°C). Keep container tightly closed and protected from moisture, heat, and sunlight.
- **Shelf Life:** Up to 2 years when properly stored.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- **Engineering Controls:** Use local exhaust ventilation.
- **Respiratory Protection:** Use an approved dust respirator.
- **Skin Protection:** Wear gloves and long sleeves.
- **Eye Protection:** Wear safety goggles with side shields.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- **Appearance:** Fine Powder
- **Color:** Blue
- **Solubility:** Insoluble in water
- **Specific Gravity / Coverage:** 1.48 g/cm³

SECTION 10: STABILITY AND REACTIVITY

- **Chemical Stability:** Stable under normal conditions.
- **Conditions to Avoid:** High heat, open flames, and moisture.
- **Hazardous Decomposition:** May release carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

- **Acute Effects:** Harmful if inhaled or swallowed. Powder may irritate skin and eyes.
- **Chronic Effects:** Repeated skin contact may cause sensitization.

SECTION 12: ECOLOGICAL INFORMATION (NON-MANDATORY)

- **Ecotoxicity:** Slightly hazardous to water. Avoid release into waterways.

SECTION 13: DISPOSAL CONSIDERATIONS (NON-MANDATORY)

- **Waste Treatment:** Dispose of product and packaging according to local regulations.

SECTION 14: TRANSPORT INFORMATION (NON-MANDATORY)

- **DOT:** Non-hazardous / Non-regulated for transportation.

SECTION 15: REGULATORY INFORMATION (NON-MANDATORY)

- **Safety Phrases:** Keep away from children. Store in a ventilated area. Keep away from food and animal feed.

SECTION 16: OTHER INFORMATION

- **Disclaimer:** Information is based on current knowledge and is provided for safety guidance only. It does not guarantee specific product performance or create a legal warranty.
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