# MHK Color

Safety Data Sheet (SDS)

GHS Format - Rev. 1.0 - October 2025

## SECTION 1: Identification

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| **Product Identifier** | Color Masterbatch |
| **Product Code** | MHK-CL-001 |
| **Relevant Identified Uses** | Color and additive concentrate for plastic manufacturing |
| **Manufacturer** | MHK Color |
| **Address** | No.53 Baoying Road, Mingcheng Town, Gaoming District, Foshan City, Guangdong, China |
| **Emergency Contact** | info@mhkcolor.com / +86 13926115545 |

## SECTION 2: Hazard(s) Identification

**GHS Classification:** Not classified as hazardous under GHS criteria for most grades

**Label Elements:** No GHS label elements required for standard grades.

**Other Hazards:** Dust may cause mechanical irritation to eyes and respiratory tract. Processing fumes may cause irritation.

## SECTION 3: Composition/Information on Ingredients

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| **Chemical Nature** | Mixture of pigments/additives in polymer carrier resin |
| **Main Components** | Various organic/inorganic pigments (product-specific) in PE / PP / Universal carrier resin |
| **CAS Number** | Mixture - see product label |
| **Concentration** | Active content: Pigment 10-40% |

## SECTION 4: First-Aid Measures

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| **Inhalation** | Move to fresh air. If symptoms persist, seek medical attention. |
| **Skin Contact** | Wash with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention. |
| **Eye Contact** | Rinse cautiously with water for several minutes. Remove contact lenses if present. If irritation persists, seek medical attention. |
| **Ingestion** | Rinse mouth. Do NOT induce vomiting. Drink water. Seek medical attention if symptoms occur. |
| **Notes to Physician** | Treat symptomatically. No specific antidote known. |

## SECTION 5: Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray, dry chemical, foam, carbon dioxide.

**Unsuitable:** Direct water jet on molten material may cause splattering.

**Specific Hazards:** Combustion may produce carbon monoxide, carbon dioxide, and toxic fumes depending on pigment composition.

**Protective Equipment:** Self-contained breathing apparatus (SCBA) and full protective gear.

## SECTION 6: Accidental Release Measures

**Personal Precautions:** Avoid dust generation. Wear appropriate PPE (gloves, goggles, dust mask).

**Environmental Precautions:** Prevent entry into drains, water courses, or soil.

**Cleanup Methods:** Sweep or vacuum spilled material. Place in suitable container for disposal. Avoid creating dust.

## SECTION 7: Handling and Storage

**Handling:** Use with adequate ventilation. Avoid breathing dust/fumes. Avoid contact with skin and eyes. Wash hands before eating.

**Storage:** Store in cool, dry place away from direct sunlight and heat sources.

**Incompatibilities:** Strong oxidizing agents, strong acids, strong bases.

## SECTION 8: Exposure Controls/Personal Protection

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| **Occupational Exposure Limits** | Particulates not otherwise classified (PNOC): 10 mg/m³ (inhalable), 3 mg/m³ (respirable) |
| **Engineering Controls** | Local exhaust ventilation at processing equipment. General dilution ventilation. |
| **Respiratory Protection** | Approved dust mask (N95/P2) if airborne concentrations exceed exposure limits. |
| **Hand Protection** | Chemical-resistant gloves (nitrile/neoprene) recommended. |
| **Eye Protection** | Safety glasses with side-shields or goggles. |
| **Skin Protection** | Long-sleeved work clothing. Wash contaminated clothing before reuse. |

## SECTION 9: Physical and Chemical Properties

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| **Appearance** | Colored uniform pellets (custom colors) |
| **Odor** | Slight characteristic odor (or odorless) |
| **pH** | Not applicable (solid) |
| **Melting Point** | 100-160°C (carrier resin dependent) |
| **Boiling Point** | Not applicable (decomposes) |
| **Flash Point** | > 200°C (carrier resin) |
| **Density** | 1.10-1.50 g/cm³ |
| **Solubility in Water** | Insoluble |
| **Solubility in Organic Solvents** | Partially soluble in some solvents |

## SECTION 10: Stability and Reactivity

**Reactivity:** Stable under normal conditions of use and storage.

**Chemical Stability:** Stable at ambient temperatures. Decomposes above 300°C.

**Possibility of Hazardous Reactions:** No dangerous reactions known under normal conditions.

**Conditions to Avoid:** Excessive heat (>300°C), open flames, strong oxidizers.

**Incompatible Materials:** Strong oxidizing agents.

**Hazardous Decomposition Products:** CO, CO■, smoke, low molecular weight hydrocarbons, pigment decomposition products.

## SECTION 11: Toxicological Information

**Acute Toxicity:** Low acute toxicity. No data available for the mixture as a whole.

**Skin Corrosion/Irritation:** Not classified as skin irritant for standard grades. Desiccant grades may cause mild irritation.

**Serious Eye Damage/Irritation:** Dust may cause mechanical irritation.

**Respiratory Sensitization:** Not classified as a respiratory sensitizer.

**Carcinogenicity:** Carbon black (CAS 1333-86-4) is listed as IARC Group 2B (possibly carcinogenic). Titanium dioxide (CAS 13463-67-7) is listed as IARC Group 2B. Exposure under normal handling conditions is well below occupational exposure limits.

**Reproductive Toxicity:** No data available. Not expected to cause reproductive toxicity.

## SECTION 12: Ecological Information

**Toxicity:** Insoluble in water. Low aquatic toxicity expected due to low solubility.

**Persistence and Degradability:** Not readily biodegradable. Polymer carrier persists in environment.

**Bioaccumulative Potential:** Low potential for bioaccumulation.

**Mobility in Soil:** Insoluble. Expected to remain in soil if released.

## SECTION 13: Disposal Considerations

Dispose of in accordance with local, regional, and national regulations. Recycling of plastic material is preferred where facilities exist. Incineration in approved facility with energy recovery is recommended for non-recyclable waste. Avoid landfill disposal where possible.

## SECTION 14: Transport Information

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| **UN Number** | Not regulated |
| **UN Proper Shipping Name** | Not applicable |
| **Transport Hazard Class** | Not regulated |
| **Packing Group** | Not applicable |
| **Environmental Hazards** | Not environmentally hazardous per transport regulations |
| **Special Precautions** | Protect from heat, moisture, and physical damage during transport |

## SECTION 15: Regulatory Information

**China:** Compliant with GB 9685 for food contact grades. Compliant with relevant chemical regulations.

**EU:** REACH compliant. SVHC substances reviewed and declared where applicable. CLP regulation applied.

**USA:** TSCA listed ingredients. FDA compliant grades available per 21 CFR.

**Food Contact:** FDA and EU 10/2011 compliant grades available on request

## SECTION 16: Other Information

**Revision Date:** October 2025

**Revision:** 1.0 (Initial issue)

**Abbreviations:** GHS = Globally Harmonized System, IARC = International Agency for Research on Cancer, PNOC = Particulates Not Otherwise Classified, SCBA = Self-Contained Breathing Apparatus, SVHC = Substances of Very High Concern.

*Disclaimer: The information in this Safety Data Sheet is provided in good faith and based on our current knowledge. It does not constitute a guarantee of product properties and does not establish a legally valid contractual relationship. Users should conduct their own assessment of suitability for their specific applications and comply with all applicable regulations.*