

MATERIAL SAFETY DATA SHEET (MSDS)

UV Roller-Coated Nano Matte Finish

Product Model: HX-P216B-5N

Revision Date: 9 September 2025

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: UV Roller-Coated Nano Matte Finish

Product Model: HX-P216B-5N

Brand: Hengxing

Manufacturer: Hunan Hengxing New Materials
Technology Co., Ltd.

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Note: This data sheet may not fully comply
with national legislation and is provided for
information only.

2. COMPOSITION / INFORMATION ON INGREDIENTS

- Polyurethane acrylate: 30–35%
- Dipropylene glycol diacrylate
(CAS 42978-66-5): 10–15%
- Pentaerythritol triacrylate
(CAS 3524-68-3): 10–15%
- 1,6-Hexanediol diacrylate
(CAS 13048-33-4): 30–35%
- Photoinitiator (Confidential): 3–5%
- Silicon dioxide micro-powder
(CAS 112926-00-8): 5–8%

3. HAZARDS IDENTIFICATION

Inhalation: Vapors may irritate respiratory tract
(sneezing, coughing, breathing discomfort).

Ingestion: May cause nausea, vomiting,
gastrointestinal discomfort.

Skin: May cause irritation, redness, blistering, pain.

Eyes: Irritating; severe cases may lead to
corneal damage.

4. FIRST AID MEASURES

General: Consult a doctor. Show this SDS.

Inhalation: Move to fresh air; if breathing stops, give
artificial respiration; seek medical attention.

Skin: Wash with soap and plenty of water; seek
medical attention if irritation persists.

Eyes: Rinse thoroughly with water for at least 15
minutes; seek medical attention.

Ingestion: Do not give anything by mouth to
an unconscious person. Rinse mouth; seek
medical attention.



5. FIREFIGHTING MEASURES

Extinguishing media: Water spray, alcohol-resistant foam, dry powder, CO₂.

Hazards: May produce carbon oxides.

Protection: Self-contained breathing apparatus if needed.

6. ACCIDENTAL RELEASE MEASURES

Personal: Use PPE, avoid inhalation, ensure ventilation.

Environmental: Prevent entry into drains or watercourses.

Cleanup: Absorb with inert material, place in suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin/eyes; avoid inhalation of vapors/mist.

Storage: Light-sensitive. Store sealed in opaque containers at 5–30°C. Avoid sunlight and heat.

Reseal opened containers promptly.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

No established exposure limits.

Use good industrial hygiene practices.

PPE:

- Safety goggles/face shield
- Protective gloves
- Chemical-resistant clothing
- Suitable respirator if needed

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Yellowish cloudy liquid

Odor: Characteristic

Solubility: Insoluble in water

Viscosity: 85–95 s (DIN Cup #4, 40°C)

Density: 1.10 ± 0.05 g/cm³

Volatile content: < 0.5%

Boiling point: >100°C

Flash point: >100°C (closed cup)

Vapor pressure: < 140 kPa (20°C)

10. STABILITY AND REACTIVITY

Stable under recommended conditions.

Avoid: UV light, moisture, strong oxidizers, strong acids/bases, reactive metals.

Decomposition: May form hazardous gases in fire (see Section 5).

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (rat): 6,800 mg/kg

Dermal LD₅₀ (rabbit): > 2,000 mg/kg

Irritation: Irritating to skin and eyes.

Sensitization: May cause allergic reaction by skin contact.

12. ECOLOGICAL INFORMATION

Hazardous to aquatic life.

Avoid release to environment, groundwater, or sewage.

13. DISPOSAL CONSIDERATIONS

Dispose via licensed waste contractor.

Treat contaminated packaging as product waste.

14. TRANSPORT INFORMATION

Not classified as dangerous goods for land, sea, or air transport.

15. REGULATORY INFORMATION

No specific regulatory data available for this mixture.

16. OTHER INFORMATION

Information is based on current knowledge and intended as guidance for safe handling, storage, processing, transport, and disposal. No guarantee of specific properties.