KWOLIN
CO., LTD.

Safety Data Sheet

1. Product and company identification

Product name: Powder coatings	
Other name: U-Series Exterior Powder Coatings	
Recommended use and restriction on use:	
Supplier name: KwoLin Co., Ltd.	
Address: No. 19, Gongye 15th Rd., Taiping Dist., Taichung City 411014, Taiwan (R.O.C.)	
Telephone: +886-4-22716619	
Emergency telephone: +886-4-22716619	Emergency fax: +886-4-22713099

2. Hazards identification information

Hazard classification of the product: Skin sensitization – Category 1. Aspiration hazard – Category 2

Label format:



GHS07



GHS08

Signal words: Warning

Hazard statements: H319 Serious eye damage / eye irritation
H316 Skin corrosion / irritation
H317 Skin corrosion / irritation
H335 Aspiration hazard

Precautionary statements: Operating according to the operating instructions. Read and understand all safety precautions before proceeding. Wear protective gloves, protective glasses, protective masks, and protective clothing. Avoid exposure to the environment and avoid inhalation of the dust. Wash hands thoroughly after operation. Contaminated work clothes should not be taken out of the workplace.

3. Ingredients identification information

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Substances: N/A

Mixture:

Chemical property: Powder coatings		
Names of hazardous substrates	CAS No.	Concentration or concentration ranges
Polyester	68238-77-7	75 – 95 %
$BaSO_4$	7727-43-7	0 – 25 %
TiO_2	13463-67-7	0 – 30 %
$CaCO_3$	471-34-1	0 – 25 %
Carbon Black	1333-86-4	0 – 2 %

Note: Although some substances are listed as constituent for U-Series Exterior Powder Coatings, they are not present in every color in the series. To find out if a color contains a certain substrate, please contact KwoLin Co., Ltd. for verification.

4. First-aid measures

The first-aid measures of different exposure routes:

- Inhalation: Immediately move the patient to the ventilation and hold his breathing unimpeded. Offering the artificial respiration if patient stop breathing or dyspnea.
- Skin contact: The material is harmless, but it is appropriate to use considerable water to wash. If still having sense of stimulating, please seek medical advice immediately.
- Eye contact: Use considerable water to wash for over 15 minutes and seek medical advice immediately.
- Ingestion: The material is harmless. If any symptom shows, please seek medical advice immediately.

The most important symptoms and hazardous effects: Harmless.

The protection of first-aiders: It is non-toxic. No special protection is required.

Notes to physicians: None.

5. Fire Fighting Measures

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Flash point: Not determined.
Lower explosion limit: 30 - 70 % (V)
Upper explosion limit: Not determined.
Thermal decomposition: During a fire, irritating and highly toxic gases and/or fumes may be generated during combustion or decomposition.
Suitable fire extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Specific hazards may be encountered during fire-fighting: Dusts at sufficient concentrations can form explosive mixtures with air. Wear full protective clothing and self-contained breathing apparatus.
Specific fire-fighting methods: Wear self-contained air breathing apparatus and protective clothing to avoid direct contact with skin and eyes.
Further information: Standard procedure for chemical fires.

6. Accidental release measures

Personal precautions: Protective equipment must be worn.
Environmental precautions: None.
Methods of cleaning up: Do not create a powder cloud by using a brush or compressed air. Remove all sources of ignition. Contain and collect spillage with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Safe handling and storage measures

Handling: Provide for appropriate exhaust ventilation and dust collection at machinery. For personal protection see section 8. Avoid direct contact with skin, eyes, and inhalation. Advice on protection against fire and explosion: Provide appropriate exhausts ventilation at machinery and at places where dust can be generated. Avoid formation of dust and aerosols. During processing, dust may form explosive mixture in air.
Storage: Store in cool and keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls measures

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Control parameter: ● TWA-PEL / STEL-PEL / Ceiling-PEL: - ● Bioindicator: -
Personal protective equipment: ● Respiratory protection: Wear protective masks. ● Hand protection: For prolonged or repeated contact use protective gloves. Materials: rubber and plastic. ● Eye protection: Use chemical splash goggles (ANSI Z87.1 or approved equivalent) ● Skin and body protection: Wear appropriate protective clothes.
Hygiene measures: Smoking and consuming are strictly prohibited in the workplace. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance (physical state, color, etc.): solid, as the name of product	Odor: odorless
Odor threshold: -	Melting point: >60°C
pH value: N/A	Boiling point / boiling range: N/A
Flammability (solid, gas): N/A	Flash point: 370°C (698°F)
Decomposition temperature: N/A	Test method: Open cup Close cup
Auto ignition temperature: N/A	Explosion limits: -
Vapor pressure: -	Vapor density: -
Density (water=1): 1.15~1.8g/cm^3	Solubility: Insoluble in water
Partition coefficient (n-octanol / water): -	Evaporation rate: -

Note: The physical data presented above are typical values and should not be construed as a specification.

10. Stability and reactivity

Stability: Stable at ordinary temperature.
Possible hazardous reactions occurring under specific conditions: None.
Conditions to avoid: None.
Materials to avoid: None.

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Hazardous decomposition products: None.

11. Toxicological information

Routes of exposure: None.
Symptoms: None.
Acute toxicity: None.
Chronic toxicity or long-term toxicity: None.

12. Ecological information

Ecotoxicity: None.
Persistence and degradability: Not detective.
Bio accumulative potential: Not detective.
Mobility in soil: Not detected.
Other adverse effects: Possible environmental impact, almost insoluble in water when released into water.

13. Waste disposal measures

Methods of waste disposal: For disposal, incinerate or landfill at a permitted facility in accordance with local, state, and federal regulations.

14. Transport information

UN Number:
Not applicable
UN Proper Shipping Name:
Not regulated as dangerous goods
Transport Hazard Class(es):
Not applicable
Packing Group:
Not applicable
Environmental Hazards / Marine Pollutant:
No
Air Transport (IATA / ICAO):
Not regulated as dangerous goods according to IATA DGR 66th Edition (2025).
Sea Transport (IMDG):

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Not regulated as dangerous goods according to IMDG Code 2025 Edition.
Domestic Transport:
Please comply with applicable local transport regulations.
Special Precautions:
Keep the product tightly packed during transportation.
Avoid dust generation during handling and transport.

15. Regulatory information

Applicable regulations	Dust Hazard Work Standard Traffic Safety Regulation Regulation of Labelling and Hazard Communication of Hazardous Chemicals Occupational Safety and Health Facilities Rule

16. Other information

References	Product correlation data	
Data prepared by	Company: KwoLin Co., Ltd.	
	Address / Telephone: No. 19, Gongye 15th Rd., Taiping Dist., Taichung City 411014, Taiwan (R.O.C.) / +886-4-22716619	
Prepared by	Position: Section Manager	Name: Ching-Fu, Chen
Date	2023/01/12	
Note	The information provided in the Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.	

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POWDER COATINGS MANUFACTURER

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