上海琛洁印刷材料有限公司
Chenjie Printing Material Co., Ltd.
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Date of issue SDS:
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SAFETY DATA SHEET (MSDS)

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name: Lithographic UV offset printing ink
Company name: Chenjie Printing Material Co., Ltd.
Address: No. 199 Jiangkai Road, Minhang District, Shanghai, China

2. COMPOSITION / INFORMATION ON INGREDIENTS

Single substance / mixture: Mixture
Principal use: Printing
Generic name: Lithographic offset printing ink

Chemical or generic name	Content	CAS No.
Polyester acrylate	25~35%	123-86-4
Photoinitiator	8~12%	119313-12-1
Resin	30~35%	123-92-2
Pigment	15~25%	5281-04-9
Calcium carbonate	3~8%	471-34-1
Monomer	5~10%	15625-89-5

3. HAZARDS IDENTIFICATION

Most important hazards:
Physical / chemical hazards: Keep away from sparks and open flame.
Classification name: Not classified as hazardous.

4. FIRST-AID MEASURES

Carry out the emergency measures below and, at the same time, contact a physician as soon as possible and follow his instructions.

If inhaled: Move the affected person to fresh air and let him rest. If spontaneous vomiting occurs, take care that he does not inhale the vomit. Rinse the mouth.
If on skin: Remove contaminated clothing promptly. If the product contacts the skin, wash promptly with plenty of water or soapy water.
If in eyes: Rinse promptly with clean water for at least 5 minutes. If the product gets into the eyes, wash promptly with plenty of water and obtain medical advice. The eyeball may be injured, so do not rub the eyes.
If swallowed: If spontaneous vomiting occurs, take care that the person does not inhale the vomit. If this is an accident, or if the person feels unwell, obtain medical advice promptly. If the product has been swallowed, obtain medical advice promptly, report the precautions shown on the container and present the label and the MSDS. If ingested, rinse the mouth with water (only if the person is conscious).
Protection of first-aid responders: Rescuers should wear protective equipment (see Section 8, Exposure controls and personal protection).
Special notes for physicians: Obtain medical advice promptly; present the precautions stated on the container and the MSDS.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Dry powder, foam or carbon dioxide.
Specific fire-fighting methods: In the case of a surrounding fire, if the product cannot be moved, spray water onto the surrounding containers and packages to cool them. In the case of a localized fire, first cut off the source of the fire and then extinguish it with a suitable extinguishing agent.
Protection of firefighters: A fire generates toxic gases and smoke, so wear suitable respiratory protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Carry out the work in accordance with the applicable regulations.
Precautions for personnel: Workers should wear protective equipment (see Section 8 and the protective measures) and work in a ventilated place. Indoors, ventilate adequately until the clean-up is complete. Rope off the spill area and prohibit entry by anyone other than authorized personnel.
Environmental precautions: Do not allow the spilled material to run into rivers, public waterways, etc.; contain and collect as much as possible in containers.
Removal methods
Recovery: Collect the material into containers.
Disposal: Dispose of the recovered spilled material in accordance with the disposal precautions.
Measures to prevent secondary accidents: Remove promptly any nearby material that could become an ignition source. Prohibit entry by anyone other than authorized personnel around the spill area. If the material should flow into a river, public waterway, etc., notify the relevant government authority promptly.

7. HANDLING AND STORAGE

Carry out the work in accordance with the applicable regulations.
Handling:
- Handle containers with care.
- Do not eat or drink while using the product.
- Avoid contact with the skin.
- Avoid contact with the eyes.
- If the product gets into the eyes, rinse promptly with plenty of water and obtain medical advice.
- Remove contaminated clothing promptly.
- If the product contacts the skin, wash promptly with plenty of water or soapy water.

Technical measures:
- Explain and provide instruction on anti-static measures.
- Mark clearly near the work area where the shower, hand-washing and eye-washing facilities are located.
- Avoid wearing contact lenses while working.
- Wear eye / face protection.
- Select and use suitable protective clothing and eye / face protection.
- Wash the hands and eyes thoroughly after work.

Notes: Carry out the work in a well-ventilated place. Work where an exhaust fan is installed.
Safe handling notes: None.
Storage
Suitable storage conditions: Store in a place specified by law. Store away from heat sources. Store away from ignition sources; no smoking. Keep containers closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering measures: Operate using closed equipment, machinery and local exhaust ventilation. Mark clearly near the work area where the shower, hand-washing and eye-washing facilities are located.
Permissible concentration: No information.
Protective equipment
Respiratory protection: Organic-solvent respirator mask. If the product is used in large quantities, or in an enclosed place, air-supplied or self-contained breathing apparatus is recommended.
Hand protection: Rubber gloves, leather gloves, etc.
Eye protection: Safety goggles (goggle type) or face shield (protective mask).
Skin and body protection: Anti-static long-sleeved protective clothing and safety boots are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

As a product
Physical state
Form: Colored paste
Odor: Characteristic odor
Specific temperature / temperature range of physical state change: No data
Flash point: 110 ºC (estimated from the flash point of vegetable oil)
Density: No data

10. STABILITY AND REACTIVITY

Hazardous polymerization: No
Conditions to avoid hazardous polymerization: Not applicable
Stability: Stable
Conditions to avoid instability: Not applicable
Materials and environmental conditions to avoid: Strong oxidizing agents
Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION

No information.

12. ECOLOGICAL INFORMATION

As a product
Bioaccumulation: No information

13. DISPOSAL CONSIDERATIONS

This product, its containers and packaging materials must be disposed of by safe methods.
Internal disposal: Dispose of residues and of the product packaging materials in accordance with statutory regulations. Incinerate using suitable equipment and methods in accordance with statutory regulations. Because toxic gases may be generated depending on the combustion conditions, an incinerator equipped with a pollution-control device is recommended.
Contract disposal: Sign a consignment contract with an industrial waste contractor, clearly state the contents of the waste and consign it for disposal.

14. TRANSPORT INFORMATION

UN classification: None
UN number: None
Packing group: None
Specific safety measures and conditions: Carry protective equipment and fire extinguishers. Carry warning signs where necessary. Take care to prevent packages and bags from rupturing. Watch for leakage and prevent cargo from falling over. Load and transport in accordance with the fire prevention regulations.

15. REGULATORY INFORMATION

Please check the laws and regulations applicable to this material in your country or region before use. This information is provided for reference only and without any warranty.

16. OTHER INFORMATION

This document provides safety information on the product. For quality-related information, please refer to the technical data sheet, the product specification, etc.