MATERIAL SAFETY DATA SHEET（MSDS)

1. Chemical Name

Product name: UV Film (Transparent Base)

2. Ingredients/Composition Information

□ Pure Substance □ Mixtures

Hazardous Substances: None

Component	Material Name	Weight% Content (or range)	Substance name	CAS NO.
Material	Release film	0.05-0.08%	Silicon Dioxide	60676-86-0
		97-99.9%	Polyethylene Terephthalate Resin Type B	25038-59-9
		0.01-0.08%	Antimony Trivinyl Oxide	29736-75-2
		1.3-1.7%	Silicone Oil	68083-19-2
Glue	Oleaginous Glue	40-45%	Ethyl Acetate	141-78-6
		40-50%	Acrylic Resin	79-10-7
		8-10%	High Performance Modified Resins	-
Base film	Release film	0.05-0.08%	Silicon Dioxide	60676-86-0
		97-99.9%	Polyethylene Terephthalate Resin Type B	25038-59-9
		0.01-0.08%	Antimony Trivinyl Oxide	29736-75-2
		1.3-1.7%	Silicone Oil	68083-19-2

Hazardous category: not classified as hazardous

3. Invasion pathways

Skin contact:	No known significant impacts or serious harm.
Eye contact：	No known significant impacts or serious harm.
Abstraction：	No known significant impacts or serious harm.
Ingest：	No known significant impacts or serious harm.
Health Hazards:	The polymer itself isn't toxic. Its thermal decomposition products may be irritating to the respiratory tract.
Environmental Hazard：	No known significant impacts or serious harm.
Flammability Hazard:	This product is flammable.

4. First Aid Measures

Skin Contact: If molten polymer comes in contact with skin, remove contaminated clothing and wash skin with plenty of water. Don't attempt to peel the polymer from the skin and seek prompt medical attention.

Eye Contact: Lift eyelids and wash with flowing water or saline. Seek prompt medical attention.

Inhalation: Move to fresh air,keep airway open. If breathing is difficult, provide oxygen. Seek prompt medical attention.

Ingestion: Drink plenty of warm water and induce vomiting. Seek prompt medical attention.

5. Fire Safety Measures

Flammability grade: Non-flammable

Applicable fire extinguishers: carbon dioxide fire extinguishers, dry powder fire extinguishers and foam fire extinguishers.

Hazardous Characteristics: Flammable when exposed to open flame and high heat.

Harmful combustion products: carbon monoxide, carbon dioxide.

Extinguishing methods: Firefighters must wear filtering gas masks (full face masks) or isolating respirators, full body fireproof gas suits, and extinguish the fire upwind.

Move containers from the fire to an open area if possible. Spray water to keep fire containers cool until the fire is extinguished.

Fire extinguishers: fog water, foam, dry powder, carbon dioxide, sand.

6. Leakage Emergency Response

Emergency response: Cut off the source of ignition. Emergency personnel are advised to wear masks and general work clothing. Cut off the source of the leak.

Small leaks: sweep up it.

Large leaks: Recover or transport to waste disposal site for disposal.

7. Operation and Storage

Operating Precautions: Provide adequate ventilation. Operators must be specially trained and strictly follow the operating procedures.

Operators are suggested to wear self-absorbing filtering dust masks, work clothes and gloves. Keep away from fire and heat sources, and smoking is strictly prohibited in the workplace.

Avoid contact with oxidizing substances and strong acids.load and unload lightly to prevent damage to packaging and containers. Equipped with appropriate varieties and quantities of fire-fighting equipment and leakage emergency treatment equipment.

Storage Precautions: Store in a cool, dry and ventilated warehouse. Keep away from fire and heat source. It should be stored separately from oxidizers and strong acids, and should not be mixed. Equipped with appropriate varieties and quantities of fire-fighting equipment. The storage area should be equipped with leakage emergency treatment equipment and suitable sheltering materials.

8. Exposure Controls and Personal Protective Measures

Engineering controls: Provide adequate exhaust ventilation.

Respiratory Protection: No special protection is normally required.

Eye Protection: Generally no special protection is required, wear protective eyewear if necessary.

Physical protection: wearing work clothes.

Hand protection: wear gloves.

Other protection: Prohibit smoking, eating and drinking at the work site. Maintain good hygiene practices.

9. Physical and Chemical Properties

Odor: odorless

Solubility: insoluble in water

10. Stability and Reactivity

Stability: stable under normal conditions

Incompatible materials: strong oxidants, strong acids

Conditions to avoid contact: high temperature, heat source, fire source

Decomposition products: No harmful substances will be produced under normal use.

11. Toxicological Information

Acute toxicity: No known significant effects or critical hazards.

Subacute and Chronic Toxicity: No known significant effects or critical hazards.

Irritation: No known significant effects or serious hazards.

Sensitization: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or serious hazards.

Carcinogenicity: No known significant effects or critical hazards.

Others: none

12. Ecological Information

Ecotoxicity: No known significant effects or serious hazards.

Biodegradability: Not applicable

Non-biodegradability: Not applicable

Bioconcentration or bioaccumulation: Not applicable

Other Adverse Effects: No known major or critical hazards.

13. Disposal

Nature of waste: Not hazardous waste

Disposal methods: Please refer to relevant national and local regulations before disposal. It is recommended to use controlled incineration for disposal.

Disposal precautions: None

14. Shipping Information

Transportation precautions: Before shipping, check whether the packaging is complete and sealed. During shipping, make sure the packing does not leak, collapse, fall, or be damaged. It is strictly prohibited to mix and transport with oxidants, acids, etc. Transport vehicles and ships must be thoroughly cleaned and disinfected, otherwise no other items may be transported. Avoid exposure to the sun, rain, and high temperatures during transportation. During stopovers, stay away from fire and heat sources. It is prohibited to use mechanical equipment and tools that are prone to sparks for loading and unloading. When shipping, the assembly location should be away from bedrooms and kitchens, and isolated from the engine room, power supply, fire sources, etc. When transporting by road, follow the prescribed route and do not stay in residential areas or densely populated areas. This sample is not subject to hazardous materials control.

15. Regulatory Information

Domestic regulations: Please comply with the "Regulations on the Safety Management of Hazardous Chemicals" and related regulations on the use of chemicals

International regulations: Please comply with national/local regulations

16. Other Information

Reference: "GB16483-2000 Regulations on Preparation of Safety Data Sheets for Chemicals"

Technical Specification Code: AD-MSDS-CN-298

Effective date: 2022-03-30