

1. Identification of the product and the company

Product Name: Spray Adhesive

Product Model: WO-727

Recommended Use: Industrial spray bonding for sponge, wood, paper, fabric, EVA, and thin metal sheets in toys, luggage, upholstered furniture, office furniture, screens, and related manufacturing.

Restrictions on Use: Not suitable for expanded polystyrene (EPS) foam or flexible PVC. Confirm suitability by testing before production use.

Information on Supplier

Foshan Fokis New Materials Co., Ltd

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2. Hazard Identification

GHS Classification and Label Elements

Classification stated in the supplier's MSDS: irritating liquid and vapor; the mixture is identified as hazardous under GHS.

Signal Word: Warning

Hazard Statements: Harmful if swallowed. May cause mild skin and eye irritation. Harmful to aquatic life with long-lasting effects.

GHS Pictograms: Environment; Exclamation Mark



Other Hazard Information

Physical hazards: No data available.

Vapor or spray mist may cause mild irritation; high workplace concentrations may affect health.

Prolonged skin contact may occasionally cause redness and swelling.

Release may contaminate waterways, soil, and vegetation.

Precautionary Measures

Keep out of reach of children and read the label before use.

Keep away from heat sources.

Do not eat, drink, or smoke while using this product.

Maintain good ventilation at the application site.

Wear protective gloves, a suitable mask, and protective eyewear.

Accident Response

IF ON SKIN OR HAIR: Remove contaminated clothing immediately and wash thoroughly with water.

IF INHALED: Move the person to fresh air and keep breathing comfortable. Contact a poison control center or physician if symptoms are serious.

IF IN EYES: Rinse cautiously with plenty of water for 15-20 minutes. Obtain medical advice; do not apply medication without a physician's direction.

IF SWALLOWED: If conscious, give 1-2 cups of water. Do not give anything by mouth to an unconscious person and do not induce vomiting. Obtain immediate medical attention.

IN CASE OF FIRE: The product itself is not readily ignitable, but irritating gases may form at high temperature. Leave the area promptly and protect the mouth and nose from smoke.

Safe Storage

Store in a well-ventilated place. Keep the container tightly closed and at a moderate, cool temperature.

Waste Disposal

Send contents and containers to an approved waste treatment facility. Obtain approval from relevant local authorities before bulk destruction.

3. Composition / Information on Ingredients

Chemical characteristics: Water-based adhesive mixture.

Chemical Characteristics:			
Ingredient	CAS No.	Concentration / Percentage (%)	Hazard Data

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Butadiene-styrene copolymer	9003-55-8	10-12%	Not available
Modified adhesive-enhancing resin mixture	No data	23-30%	Not available
Eco-friendly solvent mixture	79-20-09	23-40%	Not available
Deionized water	7732-18-5	24-40%	Not available
Flame-retardant surfactant mixture	68333-79-9	1%	Not available

The ingredient identities and concentration ranges shown in the table above are taken from the manufacturer's A series MSDS dated October 28, 2024. Mixture components without a CAS number are identified as 'no data available'.

Other identifiers and detailed mixture classification data: Not available.

4. First Aid Measures

Eye Contact

Rinse cautiously with plenty of water for 15-20 minutes and contact a hospital or poison control center. Do not apply medication without a physician's permission. Obtain medical evaluation even if symptoms are not immediately apparent.

Skin Contact

Immediately wash skin thoroughly with soap and water. Remove and isolate contaminated clothing and shoes. Seek medical attention if redness, swelling, or irritation persists.

Inhalation

If vapor, spray mist, or smoke is inhaled, move the person to fresh air. Keep warm, quiet, and at rest. Seek medical attention if discomfort continues.

Ingestion

Do not induce vomiting unless directed by medical personnel. If the person is conscious, rinse the mouth and give water as directed. Obtain immediate medical attention.

Protection of First-Aiders

Wear suitable boots, protective goggles, and gloves. Avoid direct exposure during rescue.

Advice to Physicians

Treat symptomatically according to the circumstances of exposure. Show the product label and this SDS to medical personnel.

Special Treatment: No data available.

5. Fire-Fighting Measures

Hazard Characteristics

No specific data are available. The product itself is not readily ignitable under normal conditions; irritating gases may be generated at high temperature.

Suitable Extinguishing Media

Use dry chemical extinguishing agent, a suitable fire extinguisher, or sand. Select additional extinguishing media appropriate for the surrounding fire.

Unsuitable Extinguishing Media: No data available.

Hazardous Combustion Products

No specific decomposition products are identified in the supplier's MSDS. Avoid inhalation of smoke and irritating gases.

Advice for Firefighters

Wear self-contained breathing apparatus and full protective clothing where smoke or irritating gases may be present. Cool exposed containers with water spray when safe to do so.

Prevent contaminated fire-fighting water from entering drains, soil, or waterways.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Wear suitable boots, protective goggles, gloves, and other appropriate protective equipment. Keep unnecessary and unprotected personnel away.

Ventilate the spill area fully and remove all ignition sources, including non-explosion-proof electrical equipment. Stop the leak if it is safe and practicable to do so.

For a large release, evacuate personnel to a safe upwind area.

Environmental Precautions

Prevent the product and contaminated water from entering waterways, drains, soil, or vegetation. Notify downstream users and the relevant local health, fire, and environmental authorities if contamination occurs.

Methods and Materials for Containment and Cleaning Up

Stop the leak and prevent further release. Absorb the material with dry sand or perlite, collect it in a suitable container, and dispose of it in accordance with local requirements.

Clean contaminated surfaces thoroughly after recovery. Remove ignition sources and keep the area ventilated until cleanup is complete.

7. Handling and Storage

Precautions for Safe Handling

Handle in a well-ventilated area, preferably with local exhaust ventilation. Prevent container leakage during handling.

Although the product is not readily flammable, keep the work area away from heat, sparks, open flames, and other ignition sources, including non-explosion-proof electrical equipment.

Avoid rough handling, dropping, or throwing containers. Keep the workplace clean and orderly. Do not smoke or eat in the work area.

After handling, remove contaminated clothing and protective equipment, then wash thoroughly and change clothing.

Conditions for Safe Storage

Store at room temperature in a ventilated location. Avoid high or low temperatures and unventilated storage conditions.

Keep containers tightly closed and intact. Provide suitable natural lighting, illumination, and ventilation equipment.

Packaging Materials: Use containers compatible with the product and the intended storage conditions.

8. Exposure Control / Personal Protection

Control Parameters

Occupational Exposure Limits: No data available for the mixture.

Engineering Controls

Do not use this product in inadequately ventilated areas. Use general and local exhaust ventilation to control vapor and spray mist and maintain a hygienic work environment.

Provide clearly identified safety showers and eyewash facilities. Contaminated work clothing must not leave the workplace and may be reused only after cleaning.

Individual Protection Measures

Respiratory Protection: Use a suitable protective mask or respirator when spray mist is generated or ventilation is inadequate.

Eye Protection: Wear chemical splash goggles or other suitable protective eyewear.

Hand Protection: Wear chemical-resistant protective gloves.

Skin and Body Protection: Wear suitable protective clothing and boots where splashing or heavy exposure may occur.

General Hygiene Measures

Do not smoke, eat, or drink during handling. Maintain good personal hygiene and wash the whole body thoroughly after work. Seek medical advice if exposure occurs or there is concern.

9. Physical and Chemical Properties / Characteristics

The values below are taken from the supplier's MSDS, except the flash point and water solubility, which are additionally supported by PONY transport report MUIUH65G8416547U1.

Property	Data / Description
Appearance	Milky white to pale yellow viscous liquid
Odor	No data available
pH Value	5.5-7
Melting / Freezing Point	Approx. -5 °C
Initial Boiling Point	39.75-100 °C at 101.3 kPa
Flash Point	>100 °C (closed cup); cannot be ignited by open flame under the supplier's conventional test

Property	Data / Description
Flammability	Not readily flammable under normal conditions
Lower Flammability / Explosive Limit (LEL)	No data available
Upper Flammability / Explosive Limit (UEL)	No data available
Vapor Pressure	19.7 kPa (0 °C); 30.6 kPa (10 °C); 46.5 kPa (20 °C); 68.2 kPa (30 °C); 80.0 kPa (35 °C)
Relative Density	>=0.9 at 20 °C / 4 °C
Solubility	Easily soluble in water; miscible with water, acetone, ethyl acetate, cyclohexane, and other organic solvents
Partition Coefficient	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
VOC Content	No data available

Where no value was supplied, the field is stated as 'No data available'.

10. Stability and Reactivity

Reactivity

No specific reactivity data are available under normal use.

Chemical Stability

Stable under normal operating, handling, and storage conditions.

Possibility of Hazardous Reactions

No data available.

Conditions to Avoid

Avoid mechanical shock, thermal impact, and unsuitable extreme-temperature conditions.

Incompatible Materials

Aluminum, sodium, potassium, and sodium-potassium alloys, as identified in the supplier's MSDS.

Hazardous Decomposition Products

No data available. Irritating gases may be generated at high temperature or during a fire.

11. Toxicological Information

Information on Toxicological Effects

Acute Toxicity: No quantitative LD50 or LC50 data are available for the mixture.

Likely Routes of Exposure: Inhalation of vapor or spray mist, skin contact, eye contact, and ingestion.

Skin Corrosion / Irritation: Prolonged contact may cause mild irritation, redness, or swelling.

Serious Eye Damage / Irritation: Direct contact may cause irritation. Rinse promptly with water.

Respiratory Effects: Vapor or spray mist may cause mild irritation, particularly at high workplace concentrations.

Sensitization: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive Toxicity: No data available.

STOT - Single or Repeated Exposure: No data available.

Aspiration Hazard: No data available.

The supplier's MSDS states that the product is handled in accordance with EU REACH SVHC requirements and the RoHS Directive; this statement is not a substitute for mixture-specific toxicological test data.

12. Ecological Information

Ecotoxicity

The supplier's label information states that the product may be harmful to aquatic organisms and may have long-lasting effects. Avoid release to water.

Persistence and Degradability

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The product may degrade slowly.

Bioaccumulative Potential

No data available.

Mobility in Soil

No specific environmental migration data are available.

Other Adverse Effects

Large releases may contaminate waterways, soil, and vegetation. Notify the relevant environmental authority if contamination occurs.

13. Disposal Information

Waste Classification

The supplier's MSDS identifies the material as general waste. Final classification must comply with local and national requirements and the condition of the waste.

Waste Treatment Methods

Do not discharge the product into soil, sewers, drains, groundwater, or any body of water. Use a licensed industrial waste contractor for landfill or other approved disposal.

Contaminated Packaging

Empty containers completely before disposal. Clean and recycle containers where permitted. Containers or packaging with product residue must be managed under applicable local and national regulations.

Additional Precautions

For disposal of large quantities, obtain the consent or direction of the relevant local fire-control, safety-supervision, and environmental authorities.

14. Transport Information

Transport Classification

UN Number: None assigned.

Proper Shipping Name: Spray Adhesive, water-based / non-restricted cargo.

Transport Hazard Class: Not regulated as dangerous goods for sea transport.

Packing Group: None assigned.

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Marine Pollutant: No transport classification assigned.

Sea Transport (IMDG)

The corresponding water-based emulsion spray adhesive is not subject to the International Maritime Dangerous Goods Code (2024 Edition, Amendment 42-24) and may be handled as non-restricted cargo.

Packaging Requirements: None specified by the transport identification report.

Supporting Report: PONY Testing International Group, Report ID MUIUH65G8416547U1, issued May 26, 2026; valid until December 31, 2026.

Land and Air Transport

No separate ADR/RID, DOT, TDG, IATA, or ICAO classification was supplied. Confirm current carrier and jurisdictional requirements before shipment.

Transport Precautions

Inspect packaging before loading. Do not ship leaking, damaged, poorly sealed, or inadequately labeled containers.

Handle gently and prevent collision, dragging, dropping, or overturning.

Do not load with incompatible flammable or explosive goods whose chemical properties, safety precautions, or fire-fighting methods conflict with this product.

15. Regulation Information

China Domestic Regulations and Standards

Manage the product in accordance with applicable national and local laws, regulations, systems, and chemical-enterprise management requirements.

General Principles for Safety and Health Design of Production Equipment (GB 5083).

Fire Protection Law of the People's Republic of China and applicable fire-prevention design codes and implementation requirements.

Law of the People's Republic of China on the Prevention and Control of Occupational Diseases.

Environmental Protection Law of the People's Republic of China.

Use packaging materials that do not react with the product and follow applicable product-quality requirements.

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The supplier's MSDS states that the product is not a dangerous chemical for transport purposes; the cited marine transport report classifies the corresponding sample as non-restricted cargo.

International Compliance Information

The supplier's MSDS refers to EU REACH SVHC requirements and the RoHS Directive. Users must verify any market-specific registration, restriction, labeling, and documentation obligations before placing the product on that market.

16. Other Information

Revision Information

Version Number: 3.0

Issue / Revision Date: September 8, 2026

Reason for Revision: Product-specific update for WO-727 Spray Adhesive based on the manufacturer's supplied MSDS documents and the supporting marine transport identification report.

Source Documents

Foshan Yikang New Material Technology Co., Ltd. - Chemical Safety Technical Specification (MSDS) for Water-Based Emulsion Spray Adhesive, supplied March 2026.

Foshan Yikang New Material Technology Co., Ltd. - A Series Technical Specification for Chemical Safety (MSDS), dated October 28, 2024 and supplied March 2026; source for Section 3 composition.

PONY Testing International Group - Hazard Classification and Identification Report for Transport of Goods, Report ID MUIUH65G8416547U1, issued May 26, 2026.

Disclaimer and Limitation of Liability

The data in this SDS are based on information supplied by the manufacturer, experimental research, and the cited transport report. They are provided as safety guidance for trained users and do not constitute a warranty of performance or suitability under every condition.

Because purpose, substrate, storage, handling, and application conditions may vary, users must independently assess suitability and perform representative testing before full-scale use.

This SDS provides safety-prevention information for professionally trained persons. Users are responsible for determining its applicability to their specific use and for complying with all applicable laws and carrier requirements.