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DEWIN DEWINc0eabn1ud3

DEWIN Inflatable Splint Set (6-Piece)

Instruction Manual for First Aid and Injury Support

Model: DEWINc0eabn1ud3

1. Introduction

This manual provides essential instructions for the proper use, setup, and maintenance of your DEWIN 6-piece Inflatable Splint Set. This product is designed to provide temporary support and immobilization for injured limbs in emergency situations. Please read this manual thoroughly before use and retain it for future reference.

2. Product Overview

The DEWIN Inflatable Splint Set is a collection of six PVC splints designed for various limb sizes and locations, accompanied by an air pump for inflation. These splints are primarily used to protect injured limbs, apply uniform pressure, and provide fixation to prevent further soft tissue damage.

2.1 Key Features

- **Purpose:** Designed to protect injured limbs, apply uniform pressure, and provide fixation to prevent further soft tissue damage.
- **Versatile Set:** Includes splints for wrist, upper limb, half arm, lower limb, half leg, and ankle, allowing selection based on the injured body part.
- **Durable Material:** Constructed from double-layer PVC plastic, offering good toughness, wear resistance, and a transparent design to allow visibility of limb contours.
- **Multiple Applications:** Suitable for limb sprains, fractures, dislocations, cuts, burns, and other injuries, providing protection and support for easy movement.
- **Reusable and X-ray Permeable:** These PVC inflatable splints are washable, reusable, and permeable to X-rays, facilitating medical assessment without removal.
- **Complete Inflation Kit:** Equipped with an air pump, air nozzle, and air needle for easy inflation and use.



Figure 1: Various types of inflatable splints for different body parts.

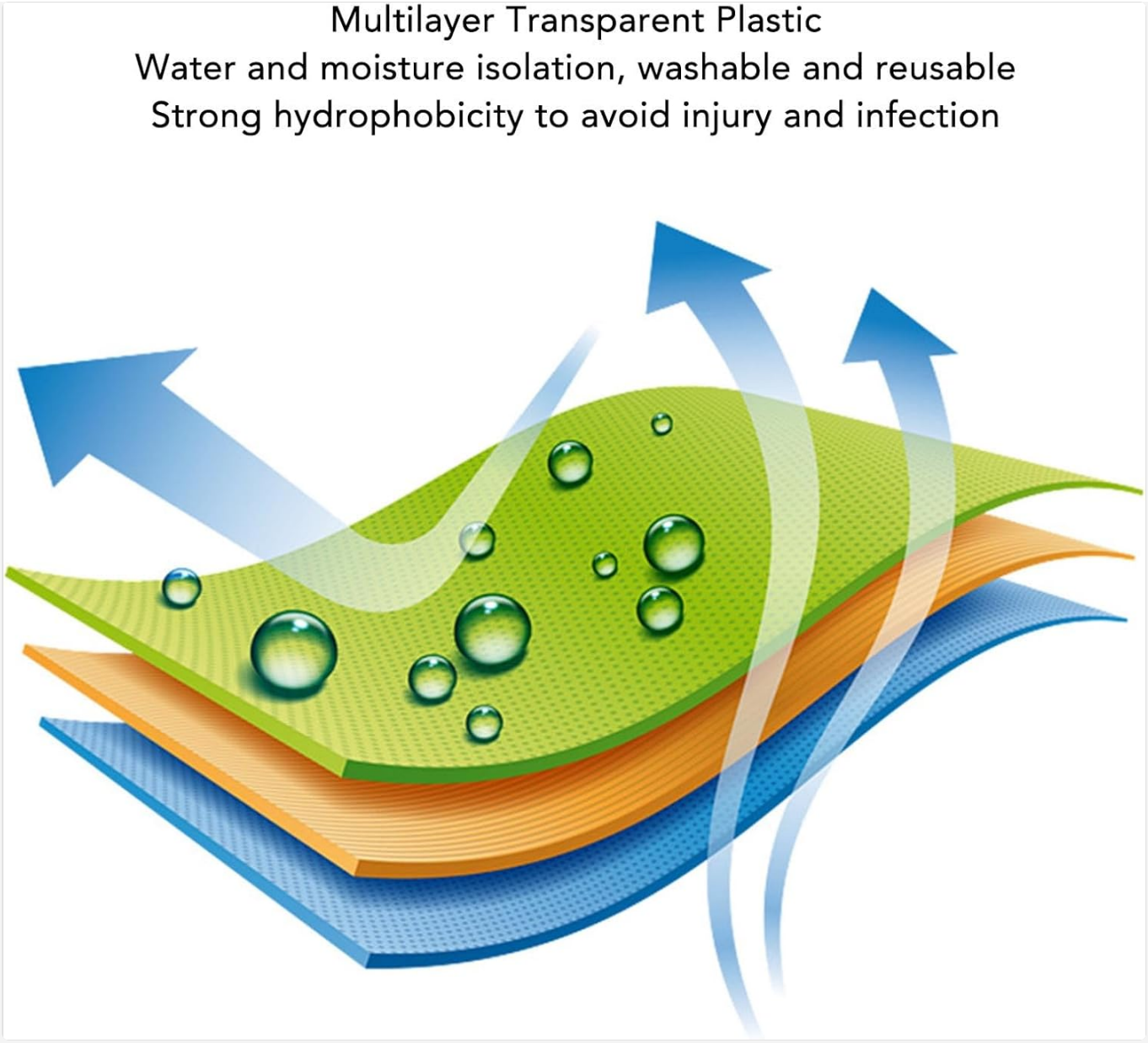


Figure 2: Illustration of the multilayer transparent PVC material.

3. Package Contents

Please verify that all items listed below are present in your package:

- 6 x Inflatable Splints (various sizes)
- 1 x Storage Bag
- 1 x Air Pump
- 1 x Air Nozzle
- 1 x Air Needle



Figure 3: Complete package contents of the inflatable splint set.

4. Specifications

Feature	Detail
Brand	DEWIN
Model Number	DEWINc0eabn1ud3
Material	PVC Plastic (Double-layer)
Item Weight	1.2 Kilograms
ASIN	B0CN8FDY38
Country of Origin	China

4.1 Splint Dimensions (Approximate)

Splint Type	Length	Width (Traction Head)
Small Hand	37.5 cm / 14.8 inches	18.5 cm / 7.3 inches
Small Foot	37.5 cm / 14.8 inches	25.5 cm / 10 inches
Medium Hand	61.5 cm / 24.2 inches	21 cm / 8.3 inches
Medium Foot	66.5 cm / 26.2 inches	28 cm / 11 inches
Large Hand	76 cm / 29.9 inches	23 cm / 9.1 inches
Large Foot	82 cm / 32.3 inches	30 cm / 11.8 inches

Splint Type	Length	Width (Traction Head)
Outer Bag	87 cm / 34.3 inches	26 cm / 10.2 inches

5. Setup

Before applying the splint, ensure the injured limb is in a stable position and any immediate bleeding is controlled. Select the appropriate size splint for the injured area.

1. **Prepare the Splint:** Unfold the chosen inflatable splint. Ensure it is clean and free from any punctures or damage.
2. **Attach the Pump:** Connect the air nozzle to the air pump. Then, attach the air needle to the air nozzle.
3. **Locate the Valve:** Identify the inflation valve on the inflatable splint.
4. **Inflate the Splint:** Insert the air needle into the inflation valve. Begin to pump air into the splint using the hand pump.
5. **Initial Inflation:** Inflate the splint slightly, just enough to give it shape, before placing it around the limb.



Figure 4: Air pump and splint for inflation.

6. Operating Instructions

Follow these steps for effective application of the inflatable splint:

1. **Position the Splint:** Carefully slide the partially inflated splint over the injured limb. Ensure the limb is centered and comfortable within the splint.
2. **Secure the Splint:** If the splint has a zipper or other fastening mechanism, secure it around the limb.
3. **Inflate to Proper Pressure:** Continue to inflate the splint using the hand pump until it provides firm, even support.
4. **Check Circulation: Important:** While inflating or pumping, pay close attention to the blood return at the extremity of the limb (e.g., fingers or toes) to maintain appropriate pressure. The splint should be firm but not excessively tight, which could impede circulation. Check for signs of restricted blood flow such as numbness, tingling, or discoloration.
5. **Monitor the Patient:** Continuously monitor the patient for comfort and any changes in the condition of the injured limb.

6.1 Application Scenarios

The DEWIN Inflatable Splint Set is suitable for various emergency first aid situations, including:

- Wilderness first aid
- Hospital emergency departments
- School infirmaries
- General emergency first aid



Figure 5: Examples of application scenarios for the splint set.



Figure 6: Inflatable splint being applied in an outdoor emergency.

7. Maintenance and Care

Proper maintenance ensures the longevity and hygiene of your inflatable splint set:

1. **Cleaning:** After each use, ensure all surfaces of the splints are thoroughly cleaned. The PVC material is washable. Use mild soap and water, then rinse thoroughly.
2. **Drying:** Allow the splints to air dry completely before storage.
3. **Deflation:** Evacuate all air from each inflatable splint before storing. This helps maintain the material's integrity and allows for compact storage.
4. **Storage:** Carefully place the deflated splints and accessories back into their original packaging or the provided storage bag. Store in a dry, cool, and non-corrosive environment.
5. **Inspection:** Regularly inspect splints for any signs of wear, punctures, or damage. Do not use damaged splints.



Figure 7: Storage of the splint set components.

8. Troubleshooting

- **Splint does not inflate:**
  - Check if the air needle is properly inserted into the valve.
  - Ensure the air pump is functioning correctly.
  - Inspect the splint for any punctures or tears. If damaged, do not use.
- **Splint deflates quickly:**
  - Verify the valve is securely closed after inflation.
  - Inspect for small leaks or punctures. A temporary patch may be applied for minor leaks, but replacement is recommended for significant damage.
- **Discomfort or numbness after application:**

- The splint may be over-inflated. Immediately release some air until the pressure is appropriate and comfort returns.
- Re-check blood circulation at the extremity of the limb. Seek medical attention if symptoms persist.

9. Safety Information

- This product is intended for temporary immobilization and support. It is not a substitute for professional medical care. Always seek immediate medical attention for serious injuries.
- Do not over-inflate the splints. Excessive pressure can restrict blood circulation and cause further injury.
- Regularly check the patient's circulation (e.g., pulse, skin color, temperature, sensation) after applying the splint.
- Keep out of reach of children when not in use.
- Do not expose the splints to extreme temperatures or sharp objects.
- The product is delivered without gas (i.e., deflated).

10. Warranty and Support

Information regarding specific warranty terms is not provided in the product details. For warranty claims, technical support, or inquiries about replacement parts, please contact your retailer or the manufacturer, DEWIN, directly. Please refer to the ASIN (B0CN8FDY38) and Model Number (DEWINc0eabn1ud3) when contacting support.
Manufacturer: DEWIN
ASIN: B0CN8FDY38
Model Number: DEWINc0eabn1ud3

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