“saving life of soldier is more important than killing enemy”
In the year 1982, Surgiwear was established by Dr. G.D. Agrawal, for manufacturing of surgical implants, disposable drapes and combat medical products to supply in the global market. His single-minded devotion to work, vast knowledge and good business ethics became a popular name in the medical world.

Surgiwear is the Indian manufacturer of medical products, strives to produce & supply the latest and most comprehensive range of surgical implants, disposable drapes and life-saving products.

Surgiwear products have been approved and are being used by various divisions of the Indian army and Central Armed Police Forces.
The USP of SURGIWEAR has been to innovate Medical Devices of first quality for common people. Today SURGIWEAR is well known by plenty of doctors all around the Globe and we are proud of our company to make relationship with the thousands of doctors around the World.

Be all free from Disease and Sufferings

As an Industry leader, We have taken the initiative to implement quality control system that are strictly enforced in both our manufacturing and distribution facilities. SURGIWEAR has ISO 13485:2016. All our Hydrocephalus Shunt products are in full compliance with WFNS (World Federation Neurosurgical Society).

Vision

SURGIWEAR envision itself as a leading company in creating innovative quality surgical products for the global population without compromising with its business values & principles. The aim of SURGIWEAR is to assist the medical world with the best of its ability and calibre. And have an abiding desire to excel in services for providing medical equipments and supplies worldwide.

Mission

Exploring new horizons in the world of fine medical devices by integration and constant enhancement of our existing potential in product design, quality, cost & supply for the extreme delight of clients.

Surgiwear offers complete trauma care solution from head to toe.

Be all free from Disease and Sufferings

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THOLOK chest seal dressing is used to treat open pneumothorax & tension pneumothorax in chest injuries due to gun shot wound, stab wound, or any other penetrating injury / wound of chest. One way valve is designed to let air & blood, present inside the thorax, out & not to let into the thorax any air from outside.

PRODUCT SPECIFICATION

- THOLOK dressing is made of 15 cm diameter strong adhesive coated film.
- Transparent to let observation of wound site.
- Ultra low pressure and low profile valve.
- Supplied sterile.
- Inner peel open pack.
- A cleaning gauze pad is included with each dressing.

PRODUCT ADVANTAGES

- Ultra low pressure valve lets easy exhaust of thoracic air.
- Low profile valve does not obstruct any other movement.
- The valve also can not be obstructed or deformed easily (unlike tube valves).
- Available in twin packing for treatment of both entry and exit penetrating injuries.
THOLOK
Chest seal dressing with valve

Instructions for use

1. Penetrating chest wound
2. Peel open the dressing.
3. Clean the surrounding area with the sterile gauze pad provided.
4. Peel off paper liner from the dressing.
5. Apply the dressing on the wound taking care to place valve opposite to the wound.
6. Chest seal dressing after application.

PRODUCT PRESENTATION

Dressing with valve THOLOK-V

These are supplied sterile with gauze pad packed inside to clean the wound.

Tholok is available in single as well as twin pack.
UEM splint is used to keep an injured limb from moving and to protect it from any further damage. It is to be used to stabilize broken bone while the injured soldier is evacuated to the nearest medical facility.

UEM Universal emergency splint can be used to support most of the parts of body without any special equipment. It can be joined along the length as well as along the width depending upon the requirement.

PRODUCT SPECIFICATION

- UEM Splint is made of 3 large, 3 small & 2 side plastic strips.
- Side strips are movable. These are used to give shape, straight or bent to the splint.
- Inside of splint has loop and outside has hook fastener.
- Wrap around fastener strips are loop and elastic for comfortable application.
- Supplied in a carry bag if required with outer vacuum packing.

Recommended for:
Bone Fracture injury and dislocation of limbs
UEM SPLINT
Universal Emergency Splint

Instructions for use

1. Folded UEM Splint
2. Unfolded UEM Splint
3. For straight application move side flaps in straight direction & press on fastener.
4. Similarly move side flap on other side & press on fastener.
5. For angular application move side flaps in cross direction & press on fastener.
6. Wrap the fastener around the limb firmly.
7. Press the fastener to anchor ends.

PRODUCT PRESENTATION
UEM Splints are available in one size only
Surgiwear FFD is special bandage which can be carried by soldiers for immediate use in case of any grievous injury when stopping of blood is top priority. Owing to unique design of dressing, it can be applied by injured soldier himself and with one hand. FFD creates sufficient pressure to stop bleeding and is competent to maintain pressure to the wound till complete medical care is provided to injured soldier.

Surgiwear FFD has many important features:

1. Wound pad is made of non leachable silver which is bactericidal. It prevents in growth of bacteria and kills the bacteria too. This helps in prevention of infection in wound.

2. The wound pad consists of super absorbent material. This absorbs fluid to almost 50 times its weight. Due to high absorption property the dressing can absorb and withhold large quantity of blood.

3. Specially designed ridge is incorporated in FFD which generates pressure on bleeding point.

4. Another advantage of ridge is there are far less chances of gangrene. The blood circulation will be maintained from sides of ridge as the sides are pressure free.

5. Due to high elasticity of FFD, it can accommodate post injury swelling.

6. Medical grade pressure sensitive adhesive is provided at the start of dressing which enables in single hand application of dressing.

7. Hook and loop fastener (velcro) is provided in the end of dressing to enable ease of application and to negate use of other materials to hold dressing in its place.

8. To maintain sterility, FFD is double packed and supplied sterilized. The inner packing is of medical grade paper and polyester laminate whereas outer pack is made of transparent polyester laminate sheet.

9. It is supplied duly vacuum packed to reduce volume.

To provide compression on bleeding point of the limbs

---

**Instructions for use**

1. Tear open the pouch and take out the inner pack. Peel open inner pack & take out the dressing.

2. Remove release liner from end.

3. Press the end before the wound. The ridge must oppose the bleeding wound. Wrap bandage around the limb.

4. Press the free flap ‘3B’ against ‘3A’

5. Press the free flap ‘3B’ against ‘3A’

6. Pull the bandage forcefully and wrap it around the limb maintaining strong pull.

7. Keep on wrapping bandage with strong pull.

8. End part of bandage is cohesive. Just press it on the bandage.

9. First Field Dressing after application

---

A: Adhesive strip  B: Super absorbent wound pad with non leachable silver  C: Main Bandage  D: Rigid Ridge
Emquet tourniquet is to be used to stop severe traumatic bleeding. It is capable in stopping flow of blood in both upper and lower limbs. Whenever there is massive bleeding due to severe injury of limbs the only way to stop bleeding is to apply a tourniquet. SURGIWEAR has developed this tourniquet for emergency field applications. It is easy to apply, sometimes with even a single hand. It is effective and gives required force of compression. It is easy to loosen. There is provision to mention the time of application of tourniquet.

Each tourniquet has following components:

1. Main band with combined hook & loop fastener & buckle at one end.
2. An inner twist-able band passing along with stick also known as windlass.
3. Windlass & windlass holding hook with a hook & loop fastener strap.
4. A white patch for mentioning time of application.
EMQUET
Emergency Tourniquet

Instructions for use

- Tear open the pouch and take out the tourniquet.
- Position & apply proximal (near to body) from bleeding point.
- Follow instructions as shown in the pictures:

1. Apply Emquet before bleeding point.
2. Pass end of band through buckle.
3. Pull the end tightly.
4. Press the band against band to engage fastener.
5. Twist the stick to tighten it. Twist sufficiently to stop bleeding.
6. Press the stick into U hook to hold the stick in place.
7. To further secure the stick cover it with fastener flaps.
8. Write the time of application on white patch. Tourniquet must be loosened after 1 hour.

WARNING
The tourniquet must be loosened after one hour. Otherwise chances of distal gangrene are there.

These are supplied unsterilized in outer tear notch pouch.

PRODUCT PRESENTATION
EMQUET just one size is available.
Whenever there is localized bleeding due to injury to limbs, the only way to stop bleeding is to apply pressure on the bleeding point. SURGIWEAR has developed a special pressure dressing for field applications.

It is easy to apply, sometimes with even a single hand. It is effective and gives required pressure on the point. There is a rigid ridge in Rakshika bandage. The ridge portion should be placed on the bleeding point.

**IMPORTANT FEATURES**

1. Rigid ridge generates pressure on bleeding point.
2. Less risk of gangrene. The blood circulation will be maintained from sides of ridge. Sides of ridge are pressure free.
3. Wound pad has a non-stick lining. Removal of dressing is with less pain and non-traumatic.
4. Wound pad has antiseptic. It prevents infection.
5. The bandage is elastic and accommodates post-injury swelling.
6. Top layer is cohesive bandage and water repellent. Cohesiveness keeps the bandage in place.
7. To maintain sterility, Rakshika is double packed and supplied sterilized. The inner packing is of medical-grade paper and polyester laminate whereas outer pack is made of transparent polyester laminate sheet.
8. It is supplied duly vacuum packed to reduce volume.

Normal systolic blood pressure = 120 mm of Hg\(\frac{156 \text{ gm/sqcm}}{1}

If diameter of limb is 12 cm and width of dressing is 10 cm, you need approx. 9 kg of pull on the dressing to stop bleeding.

In Rakshika without ridge you need 4.5 kg pull to stop bleeding.

With ridge it will be down to 2-3 kg.
RAKSHIKA
Compression bandage for bleeding point of the limbs

Instructions for use

1. Tear open the pouch and take out the inner pack. Peel open inner pack & take out the dressing.
2. Remove release liner from end.
3. Press the end before the wound. The ridge must oppose the bleeding wound. Wrap bandage around the limb.
4. Press the free flap “3B” against “3A.”
5. Press the free flap “3B” against “3A.”
6. Pull the bandage forcefully and wrap it around the limb maintaining strong pull.
7. Keep on wrapping bandage with strong pull.
8. End part of bandage is cohesive. Just press it on the bandage.

PRESENTATION
Rakshika is available in 2 sizes:  
RD10 (width 10 cm X Length 250 cms)
RD15 (width 15 cm X Length 250 cms) Sterilized by Ethylene Oxide.
EMCOM CHEST/ABDOMEN
PVMS No: 29002523

Chest Dressing

Recommended for:
Chest and Abdominal injuries

EMCOM chest dressing is used to cover chest wounds or any other area large wounds.

Each wound dressing requires five components

Emcom dressing has all five components built into one with an additional component of starting adhesive strip to hold the starting end in place.

With help of starting adhesive strip it can be easily applied with one hand or with least assistance.

PRODUCT SPECIFICATION
- EMCOM dressing is made of soft elastic cloth. Does not obstructs respiratory movements after application.
- Wound pad has antiseptic to lower chances of infection.
- Wound pad is covered with non stick lining. It helps in easy and painless removal of dressing.
- Adhesive area at start of dressing helps in application of dressing and subsequent stabilization of dressing.
- Self anchoring end. No need to use knots or tapes.
- Supplied sterile in vacuum outer packing.

A: Adhesive strip  B: Wound pad  C: Main Bandage  D: End anchor
EMCOM CHEST
Chest Dressing

Instructions for use

1. Penetrating chest wound
2. Peel open the dressing.
3. Peel off paper liner from the dressing.
4. Apply adhesive part of dressing before the wound.
5. Wrap the dressing around the Chest lightly.
6. Anchor the end by pressing it on the bandage. End is self anchoring.

PRODUCT PRESENTATION
- EMCOM chest dressing is available in following size:
  - Length 200 cm (un-stretched)
  - width 29-30 cm
- Wound pad 29 x 45 cm with antiseptic and non stick lining
- Emcom chest is supplied double packed, sterilized, vacuum packed with tear notches for ease of opening
Many times during emergencies victim stops breathing and someone has to give cardiopulmonary resuscitation.

Conventional method of giving CPR has some disadvantages. During mouth-to-mouth respiration paramedic’s mouth does not seal properly against the patient’s mouth. Lack of sealing results in poor respiration. Which may be not be good for the victim.

SURGIWEAR has developed a CPR mask. It helps in air tight sealing of mouth of both paramedic as well as victim’s mouth. Moreover it also helps in prevention of fall of tongue backwards. It gives enough space to paramedic for pinching of nose as well as lifting of jaw which is otherwise difficult.

Use of Surgiwear CPR mask reduces chances of transmission of pathogens from patient to rescuer or vice versa. It also gives protection from vomiting of patient which might happen due to CPR resuscitation.

Instructions for use

1. Tear open the pouch
2. Unfold the CPR mask
3. Insert long part of tube in the victim’s mouth, keeping in mind to place it above tongue.
4. Hold upper part of tube in your mouth & blow air into the victim’s mouth 10-15 times in minute

PRODUCT PRESENTATION

CPR mask : 25 x 25 cm

Only one size is available
Disinfected before packaging but not sterile.
Packed in tear open poly pack
Instructions for use

1. Tear open outer pack & peel open inner pack. Take out the EYE DRESSING.

2. Bend the adhesive patch in middle to protrude cut fingers of liner.

3. Remove liner by holding the finger of liner. Similarly other half of liner may also be removed.

Surgiwear Eye Dressing has many special features:

1. Eye pad is made of non linting fabric and sealed on all sides. No fiber will protrude to irritate the eyes.
2. Adhesive patch is made of very soft adhesive coated fabric.
3. Very comfortable to use.

Recommended for:
Eye Injuries

EYE DRESSING
PVMS No: 29002105, 29002527

PRODUCT PRESENTATION

- Just one size is available.
- Packed in peel-open inner pack and tear open outer pack.
- Sterilized by Ethylene Oxide.
EMCOM 3" & 4"

All in one complete emergency dressing

**PRODUCT SPECIFICATION**

- **EMCOM dressing** is made of soft elastic cloth. It is very comfortable and does not obstruct movements after application.
- **Wound pad** has an antiseptic to lower the chances of infection.
- **Wound pad** is covered with a non-stick lining. It helps in easy and painless removal of dressing.
- **Adhesive area** at the start of dressing helps in application of dressing and subsequent stabilization of dressing.
- **Self anchoring end**. No need to use knots or tapes.
- Supplied sterile in vacuum outer packing.
- **Wound pad** can be further opened to cover large wounds.

**Recommended for**
To provide dressing for any small injury

EMCOM 3 & 4 dressing is used to cover any general wound on any part of the body.

Each wound dressing requires five components:
1. Antiseptic
2. Gauze
3. Cotton pad
4. Bandage
5. Tape to anchor.

EMCOM dressing has all five components built into one with an additional component of starting adhesive strip to hold the starting end in place.

With the help of the starting adhesive strip, it can be easily applied with one hand or with least assistance.
EMCOM 3"&4"
All in one complete emergency dressing

Instructions for use

1. Thigh wound.

2. Peel open the dressing.

3. Peel off paper liner from the dressing.

4. Apply adhesive part of dressing before the wound.

5. Wrap the dressing around the Limb lightly.

6. Anchor the end by pressing it on the bandage. End is self anchoring.

PRODUCT PRESENTATION

<table>
<thead>
<tr>
<th>SIZE</th>
<th>Length (un-stretched)</th>
<th>Width</th>
<th>Wound cover</th>
<th>Cotton pad</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMCOM3</td>
<td>250 cm</td>
<td>7.5 cm</td>
<td>12 x 20 cm</td>
<td>7 x 18 cm</td>
</tr>
<tr>
<td>EMCOM4</td>
<td>250 cm</td>
<td>10 cm</td>
<td>15 x 25 cm</td>
<td>9 x 23 cm</td>
</tr>
</tbody>
</table>

These are supplied sterile.
Double packed in tear open outer and peel open inner packaging.

AN ISO 13485 : 2016 COMPANY
Almost all contents required in IFAK such as Emquet Tourniquet and Rakshika Compression bandage for limbs have been approved by DGAFMS, DGMS (Army) and AFMSD.

SURGIWEAR has developed an emergency tourniquet EMQUET for Armed Forces and Disaster Management. It is useful to stop bleeding of cut and torn limbs. Loss of Blood is one of the major factors for loss of life in a disaster. Stopping the blood loss will help in saving the life.

**SALIENT FEATURES:** Emquet is simple device which can be applied single handedly by the injured person himself. The design is such that sufficient pressure can be generated and maintained for stopping the bleeding. Wide strap will minimize the risk of injury to underlying tissues.

**DESCRIPTION:** EMQUET has wide strap with tightening buckle. There is a rod & strap mechanism, also known as windlass, to further increase tension after initial tightening. There are two loops and one self adhesive flap loop to hold the tightening rod in position. The leader has self adhesive lining to hold it against the strap.

Em-Clot has been designed to stop profuse bleeding in shortest possible time. It is suitable for stopping bleeding in case of severe injuries that occur in battlefield or in combat operations.

All contents of the kit are packed in a sturdy bag which is water resistant, puncture resistant & light in weight as well. It has been designed as per specifications of Indian Army. Suitable bag will be provided and supplied by Surgiwear authorized distributor.

A descriptive IFU leaflet mentioning broad method of usage of products is provided in each IFAK kit. The instructions are in both hindi as well as in English. Pictures showing method of applications are also incorporated in it.
Basic First Aid Kit has been designed and developed keeping in mind requirements of urgent first aid, necessary for saving life. The components of kit have proven lifesavers in adverse situations. Various contents of the kit have been approved by Director General Armed Forces Medical Services (DGAFMS) and DGMS(Army), Ministry of Defence, New Delhi – 110001.

Each kit contains the following:

1. **EMQUET Tourniquet**
   - PVMS No: 29002519
   - Surgiwear has developed an emergency tourniquet EMQUET for Armed Forces and Disaster Management. It is useful to stop bleeding of cut and torn limbs.

2. **Tholok Chest Seal Dressing**
   - PVMS No: 29002524
   - It is used to treat open pneumothorax & tension pneumothorax in chest injuries due to gun shot wound, stab wound, or any other penetrating injury/ wound of chest.

3. **Absorbent Gauze**
   - PVMS No: 29002525
   - It's made of special viscose aperture spun lace material. Due to viscose's good absorbent quality over regular cotton gauze, it absorbs blood quickly and is more comfortable to use.

4. **Compression Bandage for Limbs - Rakshika**
   - PVMS No: 29002522
   - Surgiwear have made this improvised pressure dressing which can be used by injured soldier himself and that too with just one hand.

5. **Eye Dressing**
   - PVMS No: 29002527
   - In case of injury to eye in battlefield, the eye dress can be used to cover the injured eye.
   - The eye dress has wound pad and an adhesive tape to hold the wound pad in its place.

6. **CPR Mask**
   - PVMS No: 29002526
   - Cardiopulmonary Resuscitation Mask.

7. **Bandage 3”**
   - PVMS No: 29002524
   - Bandages are typically used to slow heavy bleeding. Surgiwear have made these improvised bandages, Emcom 3, which can be used by injured soldier himself and that too with just one hand.

8. **Booklet (Instructions for Use) & Bag**
   - PVMS No: 29002517
   - A descriptive IFU booklet mentioning broad method of usage of surgical products is provided in each BFNA kit. The instructions are in both hindi as well as in English. Pictures showing method of applications are also incorporated in it.
   - All contents of the kit are packed in a sturdy bag which is water resistant, puncture resistant & light in weight as well. It has been designed as per specifications of Indian Army. Suitable bag will be provided and supplied by Surgiwear authorized distributor.

9. **Em-clot Hemostatic Dressing**
   - PVMS No: 29002516
   - Em-Clot has been designed to stop profuse bleeding in shortest possible time. It is suitable for stopping bleeding in case of severe injuries that occur in battlefield or in combat operations.
“saving life of soldier is more important than killing enemy”
BATTLE FIELD NURSING ASSISTANT KIT (PVMS NO - 290025)

"Kit will be compiled and supplied by Surgiwear distributor"

**EMQUET TOURNIQUET**
(PVMS NO. 29002522)
SURGIWEAR has developed an emergency tourniquet EMQUET for Armed Forces and Disaster Management. It is useful to stop bleeding of cut and torn limbs.

**COMPRESSION BANDAGE FOR LIMBS RAKSHIKHA**
(PVMS NO. 29002523)
Surgiwear have made this improvised pressure dressing which can be used by injured soldier himself and that too with just one hand. After a lot of research and continuous development, they have innovated one of world’s best emergency pressure dressing.

**CPR MASK CARDIOPULMONARY RESUSCITATION MASK**
It helps in air tight sealing of mouth of both paramedic as well as victim’s mouth. It gives enough space to paramedic for pinching of nose as well as lifting of jaw. Which is otherwise difficult.

**BANDAGE 3” & 4”**
(BANDAGE 3” : PVMS NO.29002526)
(BANDAGE 4” : PVMS NO.29002518)
Bandages are typically used to slow heavy bleeding. Surgiwear have made these improvised bandages, Emcom 3, which can be used by injured soldier himself and that too with just one hand.

**UNIVERSAL EMERGENCY SPLINT**
(PVMS NO. 29002520)
In emergency situations it is to be used to support almost any part of limbs in straight or bent position.

**EMCOM CHEST DRESSING**
(PVMS NO. 29002523)
EMCOM Chest is used to cover chest wounds or any other area large wounds.

**ABSORBENT GAUZE**
(PVMS NO. 29002524)
It’s made of special viscose aperture spun lace material. Due to viscose’s good absorbent quality over regular cotton gauze, it absorbs blood quickly and is more comfortable to use.

**EMQUET TOURNIQUET**
(PVMS NO. 29002522)
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**EYE DRESSING**
(PVMS NO. 29002527)
In case of injury to eye in battlefield, the eye dress can be used to cover the injured eye. The eye dress has wound pad and an adhesive tape to hold the wound pad in its place.

**THOLOK CHEST SEAL DRESSING**
It is used to treat open pneumothorax & tension pneumothorax in chest injuries due to gun shot wound, stab wound, or any other penetrating injury/ wound of chest.

**BOOKLET (INSTRUCTIONS FOR USE) & BAG**
(FU BOOKLET : PVMS NO.29002557)
A descriptive IFU booklet mentioning broad method of usage of surgical products is provided in each BFNA kit. The instructions are in both hindi as well as in English. Pictures showing method of applications are also incorporated in it.

Suitable bag will be provided and supplied by Surgiwear authorized distributor.