



Blizzard Protection Systems Limited

Technical specifications and risk analysis:

Blizzard Heated Blanket BPS-16

Product Name

Blizzard Heated Blanket BPS-16

Manufacturers Name and Address

Blizzard Protection Systems Limited

Unit's 2 and 3 Coed Y Parc Industrial Estate

Bethesda, Gwynedd, LL57 4YY

United Kingdom

Manufacturing sites

Address listed above.

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Product Specifications

1. Product Title

Blizzard Survival Blanket

Manufacturer product number: BPS16 Blizzard Heated Blanket BPS16 Green
BPS16 O Blizzard Heated Blanket BPS16 Orange

NSN Number: Green 7210-99-384-0886
Orange None

Harmonisation Code: 3824-90-97-99

2. Description

A high performing, active, insulating blanket developed in conjunction with the UK military the heated blanket is an effective aid in the prevention and treatment of hypothermia due to serious trauma.

The product includes a large insulating blanket, 4 oxygen activated heating pads.

Blizzard products are used extensively by the US Military and are recommended in the PHTLS handbook for treatment of trauma victims and the prevention and treatment of hypothermia.

Product made of Reflexcell™: expanding 3-layer metallised OPP film.

3. Features & Options

Large blanket with hook and loop front closure.

Air activated heat pads.

Vacuum packed for storage

Single full length closure at front allowing full access whilst maintaining body temperature.

- Colour Options : Green or Orange.

4. End Use - with appropriate EN

EN340:2003 Protective Clothing

5. Fabric(s) Name / Composition / Certification

Blizzard Product Name	Product	Composition	Weight	Certification Notes	MS DS
Plain OPP film perforated to P1	25 micron plain OPP film, perforated to P1o-extruded transparent film	Co-extruded transparent film	>5%	ISO 9001:2000	Y
Metallised OPP film, perforated to P1	25 micron metallised OPP film, perforated to P1	High glossy transparent, metallised, sealable film	>5%	ISO 9001:2000	Y
Metallised OPP film, printed	20 micron metallised OPP film print two colours	high glossy transparent, metallised, sealable film	>5%	ISO 9001:2000	Y
Rubber yarn	90 ends to the inch optical white 40 ends natural rubber yarn	Natural rubber(polyisoprene) from centrifuged latex concentrate. Rubber compounding. Silicone based coating. Talcum Powder	<5%	ISO9001	Y
Bags	170mu LP Vacuum Pouches	Co-extrusion PA/PE film	<5%	Certificate of Conformity	Y
Heat pocket envelope outer	50gsm white spun bound polypropylene	Non woven spun bound and composite structures produced from polypropylene and polyethylene with coloured pigments and additives accepted by the Oeko-Tex Association	>5%	Oeko-Tex Standard 100	Y
Envelope inner	70 gsm TB7 100mmx40cm	Polyethelene tyrephalate homoploymer	>5%		Y
Heat pads	Disposable body warmer	Outer bag :Polychlorinated vinylidene coated Polypropylene film. Inner Bag: Polyethylene film , Nylon unwoven fabric Powder : iron powder, water, vermiculite, activated carbon, sodium chloride	>5%		Y
Velcro adhesive tape	Permanent synthetic rubber resin adhesive	Double coated pressure sensitive adhesive tape	<5%	Directive 1999/45/EC	Y

6. Size Range - as EN 340:2003

- *Packed Size : ~25cm x 13 cm x 7 cm
- *Size when open : ~Length 2.30 metres, Width 2.0 metres
- *Weight 1.1kg

*Due to the nature of the materials there may be some slight variation on the size and weight of both the packed and un-packed products.

Risk Assessment

Legend:

1. Minimal risk
Very low chance that the risk may occur.
 2. Medium risk
Slight chance that the risk may occur.
 3. High risk
Highly probabey that the risk will occur.
- A. No permanent injury should occur.
B. A possibility that permanent injury could occur
C. High probability that permanent injury will occur

Risk	Description	Probability	Prevention/solution
Suffocation	The materials can suffocate in extreme circumstances	1C	Keep the face exposed
Lifting	The materials are not designed for lifting a patient	2B	Do not lift the patient using the blanket
Adhesive failure	The adhesive has been tested to -40°C	2A	Do not use below -40°C If adhesive fails the blanket will continue to function and can be tied or taped together.
Tearing	The blanket may be inadvertently torn	1A	Open the blanket as per the instructions included with the blanket. Small tears can be repaired using tape
Burning	The material is flammable	3B	Keep away from naked

			flames
Burning	The heat packs are oxygen activated – in an oxygen rich atmosphere they may overheat	1B	Do not allow purified oxygen to swamp the heat pads
Burning	The heat pack may burn if left in contact with skin.	1B	Do not leave the heat pads in contact with the flesh.
Heat pack failure	Heat pads may fail to activate.	1A	Check integrity of vacuum pack by eye, ensure they are in date not wet or frozen. Use additional heat pads as required
Water damage	Heat packs do not work when submerged in water	1A	Do not submerge the heat packs in water
Heat pack leakage	In the unlikely event of the heat pack being torn the contents may cause irritation	1A	If leakage occurs: rinse with clean water – do not rub. If ingested; seek medical attention

Low temperature burn

The heat pads used in the Blizzard products are oxygen activated heat pads they are very safe if used correctly. Please note the following –

Do not apply directly to the skin

Do not apply pressure during use

Check pads regularly, stop using if the area under the pad feels hot or the skin is red.

Do not use over the same area of skin for long periods

Do not use if you have/are -

Circulatory problems,

Unable to handle/manage the heat pad such as children

The elderly

Physically or mentally impaired

Bad physical condition

Serious Illness

Insensibility to heat.



7. CE certification

This product is self-certified in as per Category II PPE of the PPE Directive 89/686/EEC.

8. Declaration of Conformity

This product is manufactured to a quality system which meets the requirements of the ISO 9001: 2008. The product is warranted to be free of manufacturing defects and suitable for purpose.

Whilst every effort has been made to identify potential risks the above is not exhaustive.

If further risks are identified; please notify Blizzard Protection Systems Ltd as soon as possible +44 (0)1248 600666

When used in the correct manner the Blizzard Survival Blanket is a safe product