

Life saving applications

THE POLAR CODE

The IMO introduced the Polar code 1 January 2017, as an International Code for Ships Operating in Polar Waters. The Code acknowledges that polar waters may impose additional demands on ships beyond those normally encountered.

The mandatory framework for ships operating in polar waters mandates the carriage of group (GSK) and personal (PSK) survival kits based on the number of people onboard.

SURVIVAL KITS

To support the requirement for minimum 5 days survival upon escape and evacuation, the Polar Code mandates the carriage of group (GSK) and personal (PSK) survival kits based on the number of people on board. Hansen Protection has been a pioneer in safety at sea since we launched kapok lifejackets in 1932. As one of the world's foremost developers and manufacturers of survival equipment, Hansen Protection can offer a range of essential products needed for survival in the polar regions.

Hansen Protection supply fully compliant Personal & Group Survival Equipment sets.



Life saving applications

Personal Survival Kit PSK(per person)

Hansen Protections offer a fully compliant Personal Survival Kit (PSK) with the essential products needed for survival in the polar regions. Personal survival kits (PSKs) are intended for use at average temperatures below 0 ° C. The number of PSKs shall cover at least 110% of all persons on board the ship. Personal survival kits should be stored so that they can be easily retrieved in an emergency.

PSK kit from Hansen Protection contains all effects described in the Polar Code. These are products from reputable manufacturers and satisfy the necessary requirements and specifications. A short description of the individual products follows on the next pages.



The contents of the kit may be different from what is pictured. It can be modified products or customer-specified content

Life saving applications -Product Documentation (PSK)

1 Seven Oceans Standard Emergency rations 500g pack

Emergency Rations

To provide a balanced diet for survival at sea. Approved world-wide for use on board lifeboats and life rafts. The high quality packaging also includes directions for use in 14 different languages. Halal Certified. Seven OceanS® is the world's leading brand for emergency food and water rations through 60 years. Provides a balanced diet for survival at sea. 5 years shelf life unconditionally. Complies with SOLAS/ISO 18813:2006 and E.C. Directive 98/83.

Short product description

HOW

Consumed directly from the packet.

UNIT

Each unit contains 500 g

- 9 bars of 55.6 g and 250 kcal each
- 24 units/carton
- 12.00 kg net/carton
- 5 years shelf life exceeding SOLAS requirements.

Vacuum packed in air- and watertight 3 layer alufoil in a strong water repellent box.

NUTRITION

Contains optimal ratio of balanced nutrition to volume. Halal Certified.



Life saving applications -Product Documentation (PSK)

2 Seven OceanS 30x500 ml Emergency drinking water

Emergency Drinking Water

Superior quality drinking water manufactured in accordance with stringent demands for hygiene and under the surveillance of the Norwegian Health Authorities. The product is internationally approved.

Seven OceanS® is the World's leading brand for emergency food and water rations through 60 years. Approved by the Seafaring authorities in all the major shipping nations.

Provides a balanced diet for survival at sea. 5 years shelf life unconditionally.

Complies with SOLAS/ISO 18813:2006 and E.C. Directive 98/83.

Short product description

HOW

Drink directly from the sachet. Save drinking water, drink maximum 0.5 L every 24 hrs.

UNIT

Each unit contains 500 ml

- 5 inner sachets of 2 x 50 ml
- 5 years shelf life exceeding SOLAS requirements.

The flexible packets offer minimum weight and are easy to stow.

Also usable in a frozen condition.



Life saving applications -Product Documentation (PSK)

3 Underwear Shirt Basic Wool XL

DEVOLD® BASIC

MERINO WOOL

MATERIAL	100% TEC merino wool
WEIGHT	190 g/m ² /-10%
COLOUR	Black



Life saving applications -Product Documentation (PSK)

4 UnderwearPant Basic Wool XL

DEVOLD® BASIC

MERINO WOOL

MATERIAL	100% TEC merino wool
WEIGHT	190 g/m ² /-10%
COLOUR	Black



Life saving applications -Product Documentation (PSK)

5 Black Optimum Gloves

Featuring our unique Ti-Ax® Thermacote® heat-reflecting lining.

These outstanding gloves are manufactured from premium polymer, featuring DiamondFlex for superb protection and our Super-Tack embossed palms and fingers to improve control and grip.

A tight-fitting wrist seal is essential to minimise water migration but can make the glove difficult to pull on over your hand.

Our Optimum gloves feature a wrist zip to allow the necessary expansion when required.

- 5mm thickness
- Double-Layer Premium Polymer construction
- DiamondFlex protection on back of hand
- Super-Tack embossed palms and fingers for improved grip
- Ti-Glide interior for ease of putting on and taking off
- Full size wrist zip for assured ease of use



BLACK OPTIMUMS - 5MM ONLY

Life saving applications -Product Documentation (PSK)

6 Liner gloves

LightWool Liner Gloves are thin and versatile gloves that work as liners in gloves and mittens. Of course, they can be used alone weather permitting. Do you know that wool actually has a cooling effect when it's warm outside?

Wool insulates against heat from the outside and therefore cools on days with higher temperatures. These are garments that ventilate and regulate body temperature as per activity, made of 100% merino wool.

LightWool is perfect for long tours, and wool is naturally resistant to odour. Simply dry and air the garment, and it's ready to use again. Aclima LightWool is possibly the softest wool you will ever try. The garment is knitted in 17.5 micron yarn and the fabric weighs only 140 g/m².



Life saving applications -Product Documentation (PSK)

7 Arctic Balaclava

Three layer Balaclava with mesh lining. Perfect as an accessory for your trip or expedition. For use in moderate to high intensity activities in cold to extreme cold temperatures.

The Arctic double collection is a two-layer expedition weight concept designed to take care of the two most critical aspects of clothing namely overheating and overcooling.

The mesh on the inside has less contact points against the body, meaning less wet material next to the skin. The mesh enables excessive moisture to evaporate freely to the Merino wool layer, keeping the user drier and thus warmer

Technical specifications:

- 100% synthetic mesh lining
- Exterior of 80% Merino wool and 20% Polyamide
- Weight: 80 g
- Material weight: Outer material 220 g / m²
- Material weight: Mesh 140 g / m²



Life saving applications -Product Documentation (PSK)

8 Wool Blanket

Length (cm): 200

Width (cm): 150

Product specification: Recycled textile and wool.

Toxicological data: None known.

Health hazard: None known.



Life saving applications -Product Documentation (PSK)

9 Sunglasses cat 3 lenses UV400

Retro design sunglasses with category 3 lenses.
Compliant with EN ISO 12312-1 and UV 400.
PP Plastic.



Life saving applications -Product Documentation (PSK)

10 Vomit Bag Paper

Sea Sickness bag



Life saving applications -Product Documentation (PSK)

11 SOLAS Whistle

The Aqua Marine Whistle is a redesign of our traditional Marine Whistle, incorporating enhanced ergonomics. It is also non-corrosive, dual-toned and able to float in water. Additionally it includes a retainer clip, which offers easy attachment to a belt or pack.

The patented whistle may be used either with a lanyard or clipped directly onto the application. Average decibel level of 106 dB(A).



Life saving applications -Product Documentation (PSK)

12 Thermos, green 0,5

Product description

Stainless steel vacuum thermos flask, capacity: 0.5 litres, weight: 310 g, height: 24.5 cm, diameter: 7 cm, unbreakable thermos bottle with smooth exterior, drinking cup as cap, screw cap with pouring function, large opening for cleaning, for hot or cold drinks

Size	0,5 Liter
Colour	Olive
Material	Stainless Steel



Life saving applications -Product Documentation (PSK)

13 Multi-function pocket knife

Short description

The Mil-Tec Kombi Tool is a compact tool with 7 different functions and a daily companion for indoors and outdoors.

Material

Tools: 100% stainless steel; handle: 100% TPE (thermoplastic elastomers).

The Mil-Tec Kombi Tool is a compact tool with 7 different functions and a daily companion for indoors and outdoors.

Details:

Knife.

Wrench.

Can opener.

Ruler.

Saw blade.

Bottle opener.

File.

Length open: 16 cm.

Length closed: 10.5 cm.

Weight: 228 g.



Life saving applications -Product Documentation (PSK)

14 Waterproof bag/ black 50 liter



Life saving applications -Product Documentation (PSK)**15 Ascomedic MS Emergency bag FZ**

First aid blanket - in case of emergency. Developed in cooperation with NSSR - Norwegian Society for Sea Rescue. First Aid emergency blanket. Helping the injured to retain body heat. Wind and waterproof material, FR tested in accordance with LSA-Code requirements for immersion suits. Fitted with full length zipper. Packed in transparent vacuum bag for minimal size.

Facts

- Designed to keep injured warm and protected against rain, wind and cold
- All seams are taped and watertight
- Inside part of fabric is metallized (laminated) to retain body heat
- Web reinforcement allows injured to be lifted in the bag
- Without sleeves
- Extra long zip - may be folded out completely
- Zipper with four sliders - may be opened/closed where convenient and needed for free airways
- Many alternative user applications - see product leaflet
- May accomodate a mother and small child
- Ascomedic's main fabric is FR-tested according to requirements in Solas' LSA-Code
- Packed in protective vacuum for storage, ensures functionality in emergency



Life saving applications -Product Documentation (PSK)

16 Rock Swim Boot

Rock Swim Boot with laces

Our Rock Swim Boots are designed to be used with most models of drysuit with socks. These boots are designed to expel water post-dive, for additional foot protection over rocks, gravel, sharp stones and on a boat deck or back on land. Ideal for diving/snorkelling as fins can be directly fitted over the boots.



Life saving applications -Product Documentation (PSK)

17 Survival Guide

