

# Crunch Oil<sup>®</sup>

HYDROCARBON ABSORBENTS



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# ABSORBENT BLANKET

The ORGANIC, OLEOPHYLIC and FLAME-RETARDANT ABSORBENT BLANKET is a product designed specifically to be used in the mining and oil industry in drilling, workover and pulling operations. Its application is based on the placement of the BLANKET under any type of equipment and machinery components of the mentioned operations.

Manufactured in cotton and polypropylene fabrics filled with organic fibers, 100% natural and biodegradable, they are designed to be used in the containment of oil spills on soil.

They are also widely used in places where barrels are stowed with hydrocarbons or other products, machinery and, in general, are part of the preventive equipment for when tasks are performed on ducts or pipelines.

Its main function is to minimize and avoid accidental spills generated in field operations, thus decreasing the possibility of hydrocarbons making contact with the soil and consequently environmental contamination.

The absorption of hydrocarbons (depending on the product) can achieve ranges greater than 5 times the volume of the fiber contained in the product. The absorbed product is encapsulated thanks to the particular structure of the fiber and is non leaching.

## PHYSICAL AND CHEMICAL PROPERTIES

- Physical appearance: greenish-blue fiber.
- Specific weight: 0.20-0.22
- Humidity: 5.5%.
- Residue from ignition: 4% ash.
- Inert materials: 0.5%.
- PH: 7 (Neutral)
- Flash Point: 280 - 290 ° C
- Absorption capacity: 5 to 8 times its own weight (depending on the characteristics of the absorbed substance)



# ABSORBENT BLANKET

Code	Product (Container Measurements)	Weight (approx.)
110618	H: 2000 mm – L: 5000 mm	26 kg

## PRESENTATION

<b>HEALTH</b>	0
<b>FLAMMABLE</b>	0
<b>PHYSICAL DANGER</b>	0
PERSONAL PROTECTION: Safety glasses Gloves Apron Powder respirator	F

## Classification HMSI NFPA 74

- Type of risk caused by accidental exposure to material (health, Health): 0 (values range from 0 to 4)
- Flammability: 0 (values range from 0 to 4)
- Physical hazard associated with the material, reactivity (Physical hazard): 0 (values range from 0 to 4)
- Personal protective equipment: CATEGORY F (safety glasses, gloves, gloves and respirator against dust)



## SECURITY RHOMBUS

- Test of biodegradability and non-toxicity: DETI Laboratory, National University of Cuyo, Argentina
- Acute toxicity bioassay and efficiency test: Faculty of Marine Sciences, University of Valparaíso, Chile
- Certificate of authorization of use: DIRECTEMAR, Chile Navy
- Certificate of authorization of use: SEREMI Chile.
- Leaching test of hydrocarbons: Water Laboratory, National Technological University, Mendoza, Argentina
- Leaching test for hydrocarbons: DETI Laboratory, National University of Cuyo, Argentina
- Certificate of natural origin, CONICET, University of Comahue, Argentina

## CERTIFICATIONS

In the presence of strong acids or alkalis, although it maintains its absorption capacity, it must be removed quickly, since it can be chemically attacked. As it is an organic material, it is necessary to carry out a compatibility test for its use. See the list of substances already tested. Although the fiber is non-toxic and fire-proof, when it absorbs a dangerous substance, it acquires this characteristic, becoming dangerous waste from that moment on.

## LIMITATIONS

It is advisable to store it in dry places, keeping the containers closed and preferably placed on pallets.

## STORAGE



Once contaminated, the product can be sent to final disposal through incineration or landfills according to the current legislation of each site.

## FINAL DISPOSAL

- Made with three layers of fabrics, each with well-differentiated functions:
- Upper fabric: 100% cotton, fireproof, permeable and with high resistance to circulation and tear.
- Intermediate fabric: Polypropylene fabric, permeable. It has a double purpose, containing the absorbent fiber and conferring greater resistance to the upper fabric, avoiding the spreading in the fiber in case of breakage.
- Bottom fabric: laminated and waterproof polypropylene fabric. Its main function is that, in case of spills the hydrocarbon absorbed by the fiber makes contact with the ground avoiding contamination.
- The upper fabric is subjected to a treatment with a flame retardant product according to fireproofing process certified by the IRAM-INTI-CIT G 7577 standard.
- It has 6 button holes, located at the ends and in the middle zone, through which it can be fixed to the ground with stakes.
- The filling of the blanket is a 100% natural, organic, biodegradable, fireproof, hydrophobic absorbent that has the particularity of not only absorbing hydrocarbons but also encapsulating them, making it a safe and effective tool when controlling a spill.
- The main advantages of ABSORBENT BLANKETS are:
- Blankets with fireproofing process certified by IRAM-INTI-CIT G 7577 standard.
- Reduces the risk of oil pollution.
- Reduces final disposal costs, since a cleaner floor/ground is obtained, and it avoids cleaning of the surface covered by the blanket.
- Prevents contamination of groundwater by filtration or leaching.
- They do not produce an odor when they come in contact with water, maintaining their absorption capacity since our product continues to absorb hydrocarbons even when wet due to its hydrophobic property.
- In case of breakage by traction, tearing or some other reason, the material that could disperse and make contact with the environment does not produce adverse effects on the surrounding flora and fauna place because it is a natural and biodegradable product.

