

Crunch Oil[®]

HYDROCARBON ABSORBENTS



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SPILL CONTROL UNIT



The UCD, SPILL CONTROL UNIT, is a container that, inside, has a set of equipment and materials to meet a contingency arising from a spill of medium or large scale, or to use as a preventive element in operational facilities. This container can be moved by land, river or sea and air, to quickly reach anywhere, regardless of the geography. Given the diversity of possible scenarios where spills can occur, three specific units have been designed with the appropriate elements for each case.

Although the design is standard type, it can be adapted to the requirements of the companies according to the casuistry or risk analysis they have of the sites under their exploitation.

The equipment has a set of CRUNCH OIL absorbents that use Loose Fiber as a base to guarantee the efficiency of the operations where, depending on the product, it is possible to achieve absorption ranges greater than 5 times the volume of fiber contained in each product. This is due to the particular structure of the fiber.

Likewise, additional equipment has been provided, such as personal protective equipment, equipment to contain the waste, and materials for the global management of the event (picks, shovels, generators, measuring equipment, lighting, and other equipment).

PHYSICAL AND CHEMICAL PROPERTIES

- Physical appearance: greenish blue fiber.
- Specific weight: 0.20-0.22
- Humidity: 5.5%.
- Residue by 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 substance absorbed)

ADVANTAGES

- Great absorption capacity and performance.
- Highly hydrophobic (repels water).
- Fireproof: it only carbonizes from 280°C, and it does not generate a flame.
- Due to its encapsulation capacity, it does not leach, avoiding indirect contamination.
- 100% biodegradable and natural.
- Ecological and friendly to the environment.
- Dries clean, without the need to use water.
- Non-toxic in its original form (non-polluting fibers).
- Easy-use, easy-application and high-absorption speed.
- There is no expiration date, but it is recommended to use the product within 3 years from the packing date.

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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.

LIMITATIONS

Product	Quantity	Weight x unit (kg)	Total Weight (kg)
Loose fiber bag x 12kg	30	12	360
Loose fiber bag x 6kg	65	6	390
Sock	63	2.2	138,6
Sock Heavy Duty	12	10	120
Blanket	16	5	80
Pillow	108	1	108
Contingency Kit K6000	18	13	234
Clean Area Kit	4	18	72
Kg total absorbent			1502,6
Liters approx. absorption			9015,6

REFERENCE CONTENT

Code	Product	Contents	Weight
	(Container Measurements)		(Approx)
110601	UCD LAND (L:2900mm - H:2200mm) Height: 2200mm	Equipped with absorbent products to avoid soil contamination.	1500-3000kg
110601	UCD MARITIME (L:2900mm - H:2200mm) Height: 2200mm	Equipped with absorbent products to avoid water contamination.	1500-3000kg
110601	UCD MIXED (L:2900mm - H:2200mm) Height: 2200mm	Equipped with absorbent products to avoid soil and water contamination.	1500-3000kg

The content of the UCD can vary based on the requirements of the client.

PRESENTATION



SPILL CONTROL UNIT

CERTIFICATIONS

- 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

FINAL DISPOSAL

Contaminated products can be sent to final disposal through incineration or landfills according to the current legislation of each site.



Classification HMSI NFPA 74

HEALTH	0
FLAMMABLE	0
PHYSICAL DANGER	0
PERSONAL PROTECTION: Safety glasses Gloves Apron Powder respirator	F

- Type of risk caused by accidental exposure to material (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, jumpsuit and respirator against dust)

SECURITY RHOMBUS

