

MUSTY2009

Oil Spill Cleaner

Loose Sorbent

Application Instructions



RECOVERIT

Effective, efficient, sustainable, reusable, non-toxic, safe.

SUMMARY

MUSTY2009 is an effective dry, solid, granulated, insoluble, biodegradable (compostable) sorbent, that floats on water. It can be added loose to the oil spill or slick by simply spreading it over or near the oil, using hand spreading, air blowers, or with a water hose venturi. MUSTY2009 will float with the oil, and engage with it through natural means, but adding energy to mix the two together will get best results. Once in contact with oil, grease and other hydrocarbons, these cling to its surface to form oily lumps or globules. These are then easily collected and removed from the water using a suitable sieve. Once the water is drained out, as it won't absorb that water, the MUSTY2009 can be transferred to local oil-proof, temporary containment (drums, buckets, tubs, close weave bags, etc.) MUSTY2009 is reusable - just compress it in a mechanical or hand operated press, squeeze the oil out and collect this in suitable containers, remove the cleaned MUSTY2009 and store in clean containers for redeployment many times.

PRODUCT INFORMATION

MUSTY2009 is a patented formulation, made entirely from biodegradable plant materials. It is processed into small (2-5mm) granules. It comes in two forms.

LOOSE MUSTY2009 comes as loose granules, compressed in various sized vacuum-packed bags and buckets for immediate use.

BOOMS that contain MUSTY2009 within a strong net fabric cover allow oil to get in, but the sorbent granules to be retained.



SAFE HANDLING

MUSTY2009 is non-toxic. On its own has no special handling needs. The MUSTY2009 comes compressed. It will expand to around three times the original container volume once opened. It is also granular. New MUSTY2009 will likely have some very small dusty particles, so dust masks and eye protection are recommended. See the MUSTY2009 SDS.

Oil is toxic, slippery, and hazardous. Once the MUSTY2009 is loaded with oil, it is recommended that workers take normal spill response health and safety precautions to prevent oil splashes, vapour inhalation, and slipping. Use coveralls, gloves, boots, and eye protection, and work in a well-ventilated space. Have clean freshwater available to flush oil from eyes and skin.

ON WATER DEPLOYMENT AND APPLICATION

Oil pick-up will likely be 6-12 times the weight of the MUSTY2009 deployed, when fully engaged, depending on the oil type and the local conditions. 100 litres of oil can be collected using 50 litres (20kg) of MUSTY2009. It might need to be used more than once for best results.

Application to slicks can be by hand-spreading or added in bulk using a bucket. From a vessel or wharf, it can be emptied into large containers and be spread using suitable air-blowers, or as a water slurry venturi through a large diameter (20mm) water hose.

For best initial results, find where the oil is collecting, and apply the MUSTY2009 there first. This may be in a boom pocket, along a shoreline, or in any other natural collection point, where the oil will travel or be driven by waves or wind.

Push all the sorbent into the oil slick or oil patches using waves, boat wakes, water hoses or paddles. Some may end up in nooks and crannies or wharves and riprap. This can be flushed out with water hoses.

Collect the oily sorbent from the water surface using a suitable net scoop or sieve. Allow the excess water to drain first and place the oily MUSTY2009 in suitable leak-proof containers. The MUSTY2009 will hold almost all its collected oil for days, but small leaks can occur. Place tarpaulins or similar on the ground or vessel to prevent splashed oil contaminating response sites or creating hazardous working conditions.

Squeeze the oily sorbent in the press. Oil pressed out can be collected below and the clean sorbent removed, and stored in clean storage containers, ready for re-use.

Repeat. The MUSTY2009 can be re-used many (20+) times. The only waste is the oil.

Clean the used MUSTY2009 at the end of the response by agitating it in a drum (or concrete mixer) with household detergent. Rinse clean, remove and dry in the sun. Then repack, ready for the next use. Collect the oily cleaning water for commercial disposal.

Booms can be deployed, recovered, squeezed, redeployed, and cleaned the same way.

Disposal. If after the response, the MUSTY2009 has reached its limit for re-use, it can be composted (its biodegradable), burnt or returned to Recoverit for full recycling (it can be reprocessed into new product.)

OTHER USES

Shoreline cleaning. Loose MUSTY2009 can be rubbed on hard surfaces to remove oil. It can also be mixed and agitated with sediments (like sand) and water to remove oil.

Grease traps and oil filters. Loose or enclosed musty can be used to filter oils, greases, and oily waste or discharge water, during a response, or as part of normal operations.

SALES & TECHNICAL

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URGENT INFORMATION

MUSTY2009 is non-toxic. Oil is not.
For urgent* (phone first) response advice:
Recoverit Operations Manager
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*Note: 24/7/365 coverage is by best endeavours.