



RUBBERIZER® PRODUCT LINE

White Paper

How Rubberizer (Fossil Rock) Products Work

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Rubberizer[®] transforms spilled hydrocarbons into a rubber-like solid on contact, and does not re-release when it is retrieved. The solidification process is non-chemical in nature allowing the US EPA to classify Rubberizer as a sorbent.

This product, which comes in booms, pillows or granular form, can be used to clean oil from bilges, deck spills, around hydraulic storage tanks, under hydraulic machinery, in all engineering spaces and most importantly, in any hydrocarbon fuel spill where leaking oil comes in contact with water.

Rubberizer has been used in clean-up operations around the world and is patented in 22 countries.

The key advantages of the Rubberizer product line when compared to many of the characteristics of the more conventional products include:

- Works on land or water borne spills
- Remains buoyant
- Solidifies and is landfill approved
- Resistant to leaching
- Does not release solidified oils under pressure
- Incinerates with less than .1% residual ash
- Reduces overall clean-up time
- Reduces overall costs

Rubberizer products sorb and transform into a rubber-like material similar to many petroleum based products like:

- Gasoline
- Jet Fuel
- Diesel Fuels
- Transformer Oils
- Hydraulic Oils
- Lube Oils
- Aromatic Solvents
- Chlorinated Solvents
- Light Crudes

Rubberizer particulate is a mixture of hydrocarbon polymers plus additives resulting in a grainy material used primarily for cleanup operations where sweeping and shoveling are involved. It can also be used for clarification of various emulsions, or solidification and removal of various petroleum based slicks from the surface of water which is in a controlled state.



This product, (and the booms and pillows) in which it is the filler, exhibit characteristics that include:

- Lightweight enabling rapid deployment and retrieval (apparent specific gravity approximately = 0.4)
- Rapid sorption and solidification (measured in minutes), hydrophobic (no affinity for water)
- Permanently buoyant (both before and after sorption)
- Will not release solidified liquids under pressure
- Resistant to leaching upon aqueous contact
- High sorbed liquid to sorbent ratios (nominally 5 parts liquid to 1 part sorbent)
- Minimal incineration residue (less than .1%)
- Little volume increase of sorbed liquids (15% in laboratory tests, nominally 25% in field applications)



One pound of this product will solidify into a rubber-like material up to 2/3 gallon of jet fuel, diesel, gasoline, transformer oil, hydraulic oils, light crude and many other liquids.

*Rubberizer® = Fossil Rock

RUBBERIZER® PRODUCT LINE

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