

# USDA BioPreferred<sup>SM</sup> Process for Industry Investigation

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## Designation Item

This section details the item that has been investigated for designation in the BioPreferred program.

**Item Investigated:** Bioremediation Materials

**Item Description:** Dry or liquid solutions (including those containing bacteria or other microbes but not including sorbent materials) used to clean oil, fuel, and other hazardous spill sites.

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## Industry Investigation

There are eight main sources of information used to gather data about items for designation. These include Internet search engines, the Thomas Register, industry associations, GSA and DLA federal specifications search engines, AbilityOne, Green Seal standards, and biobased industry contacts. Each of these sources provides different results. A lengthy, but thorough list of biobased companies which produce the designation item and performance standards and test methods related to the designation item can be developed best by utilizing all information sources.

### Biobased Company Contacts

Company contacts come as a result of interaction with government officials, researchers, and industry representatives. BioPreferred staff follow-up on personal referrals or potential leads to possible biobased products.

Company	Contact Person	Results
Athea Laboratories	Mr. Steve Hipp	Bio-Blast HCB
Brandrud	Beth Sampson	RoundUp Table RoundUp Stool
Cara Plastics, Inc.	Dr. Richard Wool	CB4 Bio-Based Composite Resin
CytoCulture International Inc.	Dr. Randall von Wedel	CytoSol Process
Desert Shield International, Inc.	Mrs. Cathy J Chriske	Hydro Clean Microbial Cleaner
Emerald Edge Environmental, Inc.	David Dunn	DaBugs Earthen Edge RTA
Enviro Marketing, Inc.	Mr. John Leiter	KT Plus SOIL
EnviroLogic, Inc.	Mr. Jay Murland	Liquid Remediate Fleetkleen Dry Remediate Spillaway+Absorbent OFM-500
F.P. Woll & Co.	Mr. Stephen Woll	Wollastic
Green Line Environmental Products	Mr. Charles Floyd	Oil Sponge Remedial Premium Absorbent
Haworth, Inc.	Mr. James Kozminski	Systems Furniture (Panel Fabric)
International Biosystems, Inc.	Jerry Jackson	Shur-Crop SAFEGREEN ClearFlow SafeClean BIO-Z GR

Organic Marketing Solutions IES	Mr. Richard Parker Ann Borden	Miracle Sorb NE Edible Oil Substrate (EOS) Process
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### Internet Search Engines

When searching the Internet, each search engine utilizes a different algorithm to find related topics. To maximize results and ensure correct data, keywords are entered into several search engines. Primary search engines include Google, Dogpile, Mamma, and Yahoo.

Search Engine	Keyword	Results
Google	Bioremediation material	<a href="http://www.alken-murray.com/BN4msd.htm">www.alken-murray.com/BN4msd.htm</a> <a href="http://www.alabastercorp.com/industrialclass.htm">www.alabastercorp.com/industrialclass.htm</a> <a href="http://www.pvtland.com/PDF%20files/Bio%20Agr.pdf">www.pvtland.com/PDF%20files/Bio%20Agr.pdf</a> <a href="http://www.piercelaw.edu/risk/vol7/summer/Timian.htm">www.piercelaw.edu/risk/vol7/summer/Timian.htm</a> <a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a> <a href="http://www.frtr.gov/matrix2/section4/4-31.html">www.frtr.gov/matrix2/section4/4-31.html</a> <a href="http://en.wikipedia.org/wiki/Bioremediation">en.wikipedia.org/wiki/Bioremediation</a> <a href="http://www.adbio.com/site_maps/bioremediation.htm">www.adbio.com/site_maps/bioremediation.htm</a> <a href="http://www.epa.gov/OUST/cat/insitbio.htm">www.epa.gov/OUST/cat/insitbio.htm</a> <a href="http://web.ead.anl.gov/dwm/techdesc/biorem/index.cfm">web.ead.anl.gov/dwm/techdesc/biorem/index.cfm</a> <a href="http://www.remtech-eng.com/tech-hc2.html">www.remtech-eng.com/tech-hc2.html</a> <a href="http://stinet.dtic.mil/oai/oai?&amp;verb=getRecord&amp;metadataPrefix=html&amp;identifier=ADA368194">stinet.dtic.mil/oai/oai?&amp;verb=getRecord&amp;metadataPrefix=html&amp;identifier=ADA368194</a> <a href="http://darwin.nap.edu/books/NI000131/html/37.html">darwin.nap.edu/books/NI000131/html/37.html</a> <a href="http://www.p2pays.org/ref/07/06433.pdf">www.p2pays.org/ref/07/06433.pdf</a> <a href="http://eoeml-www.gtri.gatech.edu/">eoeml-www.gtri.gatech.edu/</a> <a href="http://ndep.nv.gov/bmrr/file/general_bioremediation_permit.pdf">ndep.nv.gov/bmrr/file/general_bioremediation_permit.pdf</a> <a href="http://www.sc.doe.gov/ober/nabir/related.html">www.sc.doe.gov/ober/nabir/related.html</a> <a href="http://mtc.engr.siu.edu/mtc/docs/research/blckbrn.htm">mtc.engr.siu.edu/mtc/docs/research/blckbrn.htm</a> <a href="http://groupsites.ius.edu/physics/E/Bioremediation.htm">groupsites.ius.edu/physics/E/Bioremediation.htm</a> <a href="http://www.sc.doe.gov/ober/nabir/app_B.html">www.sc.doe.gov/ober/nabir/app_B.html</a>
	Petroleum bioremediation material	<a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a> <a href="http://alken-murray.hypermart.net/5100pib.htm">alken-murray.hypermart.net/5100pib.htm</a> <a href="http://www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf">www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf</a> <a href="http://clu-in.org/goto.cfm?link=%2Fdownload%2Fmisc%2Ftranscripts%2Fwyoming.pdf&amp;id=202">clu-in.org/goto.cfm?link=%2Fdownload%2Fmisc%2Ftranscripts%2Fwyoming.pdf&amp;id=202</a> <a href="http://www.epa.gov/OUST/cat/insitbio.htm">www.epa.gov/OUST/cat/insitbio.htm</a> <a href="http://www.sc.doe.gov/ober/nabir/related.html">www.sc.doe.gov/ober/nabir/related.html</a> <a href="http://www.pvtland.com/PDF%20files/Bio%20Agr.pdf">www.pvtland.com/PDF%20files/Bio%20Agr.pdf</a> <a href="http://web.ead.anl.gov/dwm/techdesc/biorem/index.cfm">web.ead.anl.gov/dwm/techdesc/biorem/index.cfm</a> <a href="http://link.aip.org/link/?PPHMF8/10/108/1">link.aip.org/link/?PPHMF8/10/108/1</a> <a href="http://groupsites.ius.edu/physics/E/Bioremediation.htm">groupsites.ius.edu/physics/E/Bioremediation.htm</a> <a href="http://www.alabastercorp.com/">www.alabastercorp.com/</a> <a href="http://www.enviromondespilltech.com/in_situ_process.htm">www.enviromondespilltech.com/in_situ_process.htm</a> <a href="http://library.witpress.com/pdfs/abstracts/PORTS02/PORTS02014AU.pdf">library.witpress.com/pdfs/abstracts/PORTS02/PORTS02014AU.pdf</a> <a href="http://www.containment.fsu.edu/cd/content/pdf/487.pdf">www.containment.fsu.edu/cd/content/pdf/487.pdf</a> <a href="http://darwin.nap.edu/books/0309048966/html/91.html">darwin.nap.edu/books/0309048966/html/91.html</a> <a href="http://www.remtech-eng.com/tech-acc.html">www.remtech-eng.com/tech-acc.html</a> <a href="http://www.recon-net.com/remediation/index.html">www.recon-net.com/remediation/index.html</a> <a href="http://www.geobacter.org/publications/J_Ind_Microbiol_Biotechnol_1997.pdf">www.geobacter.org/publications/J_Ind_Microbiol_Biotechnol_1997.pdf</a> <a href="http://trb.org/publications/trnews/rpo/rpo.trn175.pdf">trb.org/publications/trnews/rpo/rpo.trn175.pdf</a>

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	Petroleum degrading microbe clean-up	<a href="http://www.obio.com/bioaugmentation.htm">www.obio.com/bioaugmentation.htm</a> <a href="http://www.wardsci.com/product.asp?pn=IG0013874">www.wardsci.com/product.asp?pn=IG0013874</a> <a href="http://www.prism-magazine.org/nov03/munching_waste.cfm">www.prism-magazine.org/nov03/munching_waste.cfm</a> <a href="http://horticulture.coafes.umn.edu/vd/h5015/99fpapers/heiser.htm">horticulture.coafes.umn.edu/vd/h5015/99fpapers/heiser.htm</a> <a href="http://www.deq.state.or.us/wmc/tank/factsheets/BioremediationTechnologies.pdf">www.deq.state.or.us/wmc/tank/factsheets/BioremediationTechnologies.pdf</a> <a href="http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html">www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html</a> <a href="http://www.ecsinc.com/library/winter.htm">www.ecsinc.com/library/winter.htm</a> <a href="http://www.wpi.biz/initiatives/2002/20020603.asp">www.wpi.biz/initiatives/2002/20020603.asp</a> <a href="http://www.scienceblog.com/community/older/1997/B/199701138.html">www.scienceblog.com/community/older/1997/B/199701138.html</a> <a href="http://www.epa.gov/OUST/cat/insitbio.htm">www.epa.gov/OUST/cat/insitbio.htm</a> <a href="http://www.marineenvironmentalmgmt.com/">www.marineenvironmentalmgmt.com/</a> <a href="http://www.sciencenews.org/pages/sn_edpik/ls_2.htm">www.sciencenews.org/pages/sn_edpik/ls_2.htm</a> <a href="http://www.genomenetwork.org/articles/11_02/boston.shtml">www.genomenetwork.org/articles/11_02/boston.shtml</a> <a href="http://www.ocean.udel.edu/halophyte/abstracts-MAST821.doc">www.ocean.udel.edu/halophyte/abstracts-MAST821.doc</a> <a href="http://ipcc.utulsa.edu/28.d/28_Abs.html">ipcc.utulsa.edu/28.d/28_Abs.html</a> <a href="http://www.rtdf.org/PUBLIC/phyto/minutes/tph/072700.htm">www.rtdf.org/PUBLIC/phyto/minutes/tph/072700.htm</a> <a href="http://www.tu-harburg.de/aws/sfb/sfb-tp2e.html">www.tu-harburg.de/aws/sfb/sfb-tp2e.html</a> <a href="http://www.mass.gov/dep/public/press/ajsenvir.htm">www.mass.gov/dep/public/press/ajsenvir.htm</a> <a href="http://extoxnet.orst.edu/newsletters/n66_86.htm">extoxnet.orst.edu/newsletters/n66_86.htm</a> <a href="http://ipcc.utulsa.edu/37.d/37_Abs.htm">ipcc.utulsa.edu/37.d/37_Abs.htm</a>
	Oil spill bioremediation	<a href="http://www.sciencedaily.com/releases/2005/05/050517063708.htm">www.sciencedaily.com/releases/2005/05/050517063708.htm</a> <a href="http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html">www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html</a> <a href="http://www.ecochem.com/t_cbpa2.html">www.ecochem.com/t_cbpa2.html</a> <a href="http://www.epa.gov/ORD/NRMRL/lrpd/esm/oil_spill_bioremediation_research.htm">www.epa.gov/ORD/NRMRL/lrpd/esm/oil_spill_bioremediation_research.htm</a> <a href="http://fiesta.bren.ucsb.edu/~vbroje/oil%20spill%20publications.htm">fiesta.bren.ucsb.edu/~vbroje/oil%20spill%20publications.htm</a> <a href="http://www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html">www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html</a> <a href="http://interactive2.usgs.gov/faq/list_faq_by_category/get_answer.asp?id=622">interactive2.usgs.gov/faq/list_faq_by_category/get_answer.asp?id=622</a> <a href="http://www.bact.wisc.edu/Microtextbook/index.php?name=Sections&amp;req=viewarticle&amp;artid=160&amp;page=1">www.bact.wisc.edu/Microtextbook/index.php?name=Sections&amp;req=viewarticle&amp;artid=160&amp;page=1</a> <a href="http://www.bioremediationgroup.org/BioReferences/Tier1Papers/Nutrient.htm">www.bioremediationgroup.org/BioReferences/Tier1Papers/Nutrient.htm</a> <a href="http://www.bact.wisc.edu/Microtextbook/index.php?name=Sections&amp;req=viewarticle&amp;artid=178&amp;page=1">www.bact.wisc.edu/Microtextbook/index.php?name=Sections&amp;req=viewarticle&amp;artid=178&amp;page=1</a> <a href="http://mabr.asm.org/cgi/reprint/60/2/342.pdf">mabr.asm.org/cgi/reprint/60/2/342.pdf</a> <a href="http://www.virtualviz.com/oilspill.htm">www.virtualviz.com/oilspill.htm</a> <a href="http://www.envirosales.com/">www.envirosales.com/</a> <a href="http://www.valdezhousing.com/home.htm">www.valdezhousing.com/home.htm</a> <a href="http://www.nrt.org/production/NRT/NRTWEB.nsf/AllAttachmentsByTitle/A-78bioremedFS/\$File/bioremed_FS.pdf?OpenElement">www.nrt.org/production/NRT/NRTWEB.nsf/AllAttachmentsByTitle/A-78bioremedFS/\$File/bioremed_FS.pdf?OpenElement</a> <a href="http://www.gomr.mms.gov/homepg/whatsnew/techann/2002-048.html">www.gomr.mms.gov/homepg/whatsnew/techann/2002-048.html</a> <a href="http://edugreen.teri.res.in/explore/bio/biorem.htm">edugreen.teri.res.in/explore/bio/biorem.htm</a> <a href="http://www.accessexcellence.org/AE/AEC/AEF/1994/brown_oil.html">www.accessexcellence.org/AE/AEC/AEF/1994/brown_oil.html</a> <a href="http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=239447">www.pubmedcentral.nih.gov/articlerender.fcgi?artid=239447</a> <a href="http://www.nature.com/nature/journal/v368/n6470/abs/368413a0.html">www.nature.com/nature/journal/v368/n6470/abs/368413a0.html</a>
Dogpile	Bioremediation material	<a href="http://www.bioxtech.com/bioxprocess.html">http://www.bioxtech.com/bioxprocess.html</a> <a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a> <a href="http://www.biocritters.com/">http://www.biocritters.com/</a> <a href="http://en.wikipedia.org/wiki/Bioremediation">en.wikipedia.org/wiki/Bioremediation</a> <a href="http://www.adbio.com/site_maps/bioremediation.htm">www.adbio.com/site_maps/bioremediation.htm</a> <a href="http://www.frtr.gov/matrix2/section4/4-31.html">www.frtr.gov/matrix2/section4/4-31.html</a> <a href="http://www.adbio.com/site_maps/bioremediation.htm">http://www.adbio.com/site_maps/bioremediation.htm</a> <a href="http://www.fplc.edu/risk/vol7/summer/Timian.htm">www.fplc.edu/risk/vol7/summer/Timian.htm</a>

	<p> <a href="http://www.adbio.com/?OVRAW=bioremediation%20material&amp;OVKEY=bioremediation&amp;OVMTTC=advanced">http://www.adbio.com/?OVRAW=bioremediation%20material&amp;OVKEY=bioremediation&amp;OVMTTC=advanced</a>  <a href="http://www.alken-murray.com/BN4msd.htm">www.alken-murray.com/BN4msd.htm</a>  <a href="http://atheism.about.com/library/FAQs/evolution/blfaq_evolution_evidence17.htm">http://atheism.about.com/library/FAQs/evolution/blfaq_evolution_evidence17.htm</a>  <a href="http://www.alabastercorp.com/industrialclass.htm">www.alabastercorp.com/industrialclass.htm</a>  <a href="http://www.arkent.com/bioremediation/bioremediation.htm?src=overture">http://www.arkent.com/bioremediation/bioremediation.htm?src=overture</a>  <a href="http://biotech.about.com/library/weekly/aa111899.htm">biotech.about.com/library/weekly/aa111899.htm</a>  <a href="http://www.renovogen.com/?gclid=CPCtw63ArYYCFQNpWAodZiQiEA">http://www.renovogen.com/?gclid=CPCtw63ArYYCFQNpWAodZiQiEA</a>  <a href="http://www.obio.com/bioremediation.htm">www.obio.com/bioremediation.htm</a>  <a href="http://www.alabastercorp.com/biotech.about.com/library/weekly/aa120899d.htm">www.alabastercorp.com/biotech.about.com/library/weekly/aa120899d.htm</a>  <a href="http://kengro.com/index.html?src=overture">http://kengro.com/index.html?src=overture</a>  <a href="http://biotech.about.com/library/weekly/aa033100b.htm">biotech.about.com/library/weekly/aa033100b.htm</a> </p>
Petroleum bioremediation material	<p> <a href="http://www.bioxtech.com/bioxprocess.html">http://www.bioxtech.com/bioxprocess.html</a>  <a href="http://www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf">http://www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf</a>  <a href="http://www.biocritters.com/">http://www.biocritters.com/</a>  <a href="http://www.deq.state.ok.us/LPDnew/FactSheets/biodocfinal.htm">http://www.deq.state.ok.us/LPDnew/FactSheets/biodocfinal.htm</a>  <a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a>  <a href="http://www.pvtland.com/PDF%20files/Bio%20Agr.pdf">www.pvtland.com/PDF%20files/Bio%20Agr.pdf</a>  <a href="http://www.renovogen.com/?gclid=CLi_3evArYYCFR6yWAodLViiKQ">http://www.renovogen.com/?gclid=CLi_3evArYYCFR6yWAodLViiKQ</a>  <a href="http://www.alken-murray.com/5100pib.htm">www.alken-murray.com/5100pib.htm</a>  <a href="http://www.rgu.ac.uk/energy/courses/page.cfm?pge=13431">http://www.rgu.ac.uk/energy/courses/page.cfm?pge=13431</a>  <a href="http://www.aabaco.com/MSDS.shtml">www.aabaco.com/MSDS.shtml</a>  <a href="http://alken-murray.hypermart.net/5100pib.htm">alken-murray.hypermart.net/5100pib.htm</a>  <a href="http://www.rtdf.org/public/phyto/phytobib/biba-b.html">www.rtdf.org/public/phyto/phytobib/biba-b.html</a>  <a href="http://www.aztk.com/services/manufacturing.html">http://www.aztk.com/services/manufacturing.html</a>  <a href="http://en.wikipedia.org/wiki/Bioremediation">en.wikipedia.org/wiki/Bioremediation</a>  <a href="http://www.forefrontonline.com/bioremediation.html">http://www.forefrontonline.com/bioremediation.html</a>  <a href="http://www.recobio.com/frameset.asp">www.recobio.com/frameset.asp</a>  <a href="http://www.epa.gov/swerust1/cat/insitbio.htm">www.epa.gov/swerust1/cat/insitbio.htm</a>  <a href="http://www.ima.umn.edu/reactive/winter/rf5.html">www.ima.umn.edu/reactive/winter/rf5.html</a>  <a href="http://www.aboutbusiness.org/files/bioremediation.html">http://www.aboutbusiness.org/files/bioremediation.html</a>  <a href="http://www.dec.state.ny.us/website/der/stars/pr6star2.html">http://www.dec.state.ny.us/website/der/stars/pr6star2.html</a> </p>
Petroleum degrading microbe clean-up	<p> <a href="http://206.188.31.196/web/Cleaning-Bacteria/22/">http://206.188.31.196/web/Cleaning-Bacteria/22/</a>  <a href="http://www.obio.com/bioaugmentation.htm">www.obio.com/bioaugmentation.htm</a>  <a href="http://www.genomenewsnetwork.org/articles/01_03/soil_microbe.shtml">http://www.genomenewsnetwork.org/articles/01_03/soil_microbe.shtml</a>  <a href="http://www.prism-magazine.org/nov03/munching_waste.cfm">www.prism-magazine.org/nov03/munching_waste.cfm</a>  <a href="http://www.obio.com/pdf%20files/bioaugmentation.pdf">www.obio.com/pdf%20files/bioaugmentation.pdf</a>  <a href="http://www.sciencedaily.com/releases/2005/03/050329134209.htm">http://www.sciencedaily.com/releases/2005/03/050329134209.htm</a>  <a href="http://egj.lib.uidaho.edu/egj11/kujat1.html">egj.lib.uidaho.edu/egj11/kujat1.html</a>  <a href="http://www.genomenewsnetwork.org/articles/2004/08/19/genomesworld.php">http://www.genomenewsnetwork.org/articles/2004/08/19/genomesworld.php</a>  <a href="http://www.ecsinc.com/library/winter.htm">www.ecsinc.com/library/winter.htm</a>  <a href="http://www.dealtime.com/xGS-Degrade~NS-1~linkin_id-7001529~r-1~CLT-INTR">http://www.dealtime.com/xGS-Degrade~NS-1~linkin_id-7001529~r-1~CLT-INTR</a>  <a href="http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html">http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html</a>  <a href="http://www.shopping.com/xGS-Degrade~NS-1~linkin_id-7001088~r-1~CLT-INTR">http://www.shopping.com/xGS-Degrade~NS-1~linkin_id-7001088~r-1~CLT-INTR</a>  <a href="http://organiclifestyles.tamu.edu/soilbasics/soilbiological.html">http://organiclifestyles.tamu.edu/soilbasics/soilbiological.html</a>  <a href="http://www.greencarcongress.com/biotech/index.html">www.greencarcongress.com/biotech/index.html</a>  <a href="http://www.alabastercorp.com/FAQ.htm">www.alabastercorp.com/FAQ.htm</a>  <a href="http://www.brightpulse.com/clean-up.html">http://www.brightpulse.com/clean-up.html</a>  <a href="http://www.llnl.gov/pao/news/sciencefeatures/2006/SF-06-02-01.html">http://www.llnl.gov/pao/news/sciencefeatures/2006/SF-06-02-01.html</a> </p>

		<a href="http://www.zip-search.com/result.aspx?keyword=Petroleum&amp;cid=2000&amp;utm_source=looksmart&amp;utm_medium=ppc&amp;utm_term=Petroleum">http://www.zip-search.com/result.aspx?keyword=Petroleum&amp;cid=2000&amp;utm_source=looksmart&amp;utm_medium=ppc&amp;utm_term=Petroleum</a> <a href="http://web.umr.edu/~microbio/BIO221_1999/A_tolulyticus.html">http://web.umr.edu/~microbio/BIO221_1999/A_tolulyticus.html</a> <a href="http://www.forefrontonline.com/clean-up.html">http://www.forefrontonline.com/clean-up.html</a>
	Oil spill bioremediation	<a href="http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html">http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html</a> <a href="http://www.sciencedaily.com/releases/2005/05/050517063708.htm">http://www.sciencedaily.com/releases/2005/05/050517063708.htm</a> <a href="http://www.epa.gov/oilspill/pdfs/biofact.pdf">www.epa.gov/oilspill/pdfs/biofact.pdf</a> <a href="http://www.alabastercorp.com/">www.alabastercorp.com/</a> <a href="http://www.intellishare-env.com/request.html?source=gooaw&amp;kw=22a">http://www.intellishare-env.com/request.html?source=gooaw&amp;kw=22a</a> <a href="http://fiesta.bren.ucsb.edu/~vbroje/oil%20spill%20publications.htm">http://fiesta.bren.ucsb.edu/~vbroje/oil%20spill%20publications.htm</a> <a href="http://www.epa.gov/ORD/NRMRL/lrpcd/esm/oil_spill_bioremediation_research.htm">http://www.epa.gov/ORD/NRMRL/lrpcd/esm/oil_spill_bioremediation_research.htm</a> <a href="http://mibr.asm.org/cgi/reprint/60/2/342.pdf">mibr.asm.org/cgi/reprint/60/2/342.pdf</a> <a href="http://www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html">http://www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html</a> <a href="http://www.tigg.com/remediation_products/index.html?gclid=ClI40cTCrYYCFQg3Igod8C5OAg">http://www.tigg.com/remediation_products/index.html?gclid=ClI40cTCrYYCFQg3Igod8C5OAg</a> <a href="http://www.ecochem.com/t_2100p.html">www.ecochem.com/t_2100p.html</a> <a href="http://www.valdezlink.com/inipol/pages/experiment.htm">www.valdezlink.com/inipol/pages/experiment.htm</a> <a href="http://www.envirosales.com/index.htm">www.envirosales.com/index.htm</a> <a href="http://biotech.about.com/cs/companiesad/index_2.htm">biotech.about.com/cs/companiesad/index_2.htm</a> <a href="http://www.dawginc.com/industrial-cleaners-degreasers/industrial-cleaners-degreasers.php?gclid=COXy7tHCrYYCFSjCWAodywPVGA">http://www.dawginc.com/industrial-cleaners-degreasers/industrial-cleaners-degreasers.php?gclid=COXy7tHCrYYCFSjCWAodywPVGA</a> <a href="http://biotech.about.com/cs/companiesb/index.htm">biotech.about.com/cs/companiesb/index.htm</a> <a href="http://www.epa.gov/oilspill/abstract.htm">www.epa.gov/oilspill/abstract.htm</a> <a href="http://www.ecochem.com/t_cbpa2.html">www.ecochem.com/t_cbpa2.html</a> <a href="http://www.alabastercorp.com/bioremediation.htm">www.alabastercorp.com/bioremediation.htm</a> <a href="http://www.firstenvironmental.com/?source=Overture">http://www.firstenvironmental.com/?source=Overture</a>
Mamma	Bioremediation material	<a href="http://www.alken-murray.com/7036msd.htm">http://www.alken-murray.com/7036msd.htm</a> <a href="http://www.freepatentsonline.com/5609667.html">http://www.freepatentsonline.com/5609667.html</a> <a href="http://www.freepatentsonline.com/5158595.html">http://www.freepatentsonline.com/5158595.html</a> <a href="http://www.alken-murray.com/7037msd.htm">http://www.alken-murray.com/7037msd.htm</a> <a href="http://www.amazon.com/exec/obidos/ASIN/0788122509">http://www.amazon.com/exec/obidos/ASIN/0788122509</a> <a href="http://www.stormingmedia.us/49/4918/A491863.html">http://www.stormingmedia.us/49/4918/A491863.html</a> <a href="http://www.alken-murray.com/7038msd.htm">http://www.alken-murray.com/7038msd.htm</a> <a href="http://www.microbeinotech.com">http://www.microbeinotech.com</a> <a href="http://www.lrc.usace.army.mil/greenbay.htm">http://www.lrc.usace.army.mil/greenbay.htm</a> <a href="http://www.alken-murray.com/7007msd.htm">http://www.alken-murray.com/7007msd.htm</a> <a href="http://www.brookslabs.com">http://www.brookslabs.com</a> <a href="http://www.alken-murray.com/7005msd.htm">http://www.alken-murray.com/7005msd.htm</a> <a href="http://www.bossintl.com/bookstore/index/book/96.html">http://www.bossintl.com/bookstore/index/book/96.html</a> <a href="http://alken-murray.hypermart.net/7036msd.htm">http://alken-murray.hypermart.net/7036msd.htm</a> <a href="http://www.copa.org/bbs_file/fsappc.txt">http://www.copa.org/bbs_file/fsappc.txt</a> <a href="http://www.bookkoob.co.uk/book/0865874042.htm">http://www.bookkoob.co.uk/book/0865874042.htm</a> <a href="http://www.aehs.com/publications/catalog/hazardous.htm">http://www.aehs.com/publications/catalog/hazardous.htm</a> <a href="http://www.fpoapo.com/store/index-item_id-0865874042-search_type-">http://www.fpoapo.com/store/index-item_id-0865874042-search_type-</a> <a href="http://www.eurekalert.org/pub_releases/1996-09/ORNL-NDBP-170996.php">http://www.eurekalert.org/pub_releases/1996-09/ORNL-NDBP-170996.php</a> <a href="http://www.min-eng.com">http://www.min-eng.com</a>
	Petroleum bioremediation material	<a href="http://www.aabaco.com/MSDS.shtml">http://www.aabaco.com/MSDS.shtml</a> <a href="http://www.alken-murray.com/5100pib.htm">http://www.alken-murray.com/5100pib.htm</a> <a href="http://galaxy.einet.net/galaxy/Business-and-Commerce/General-Prod">http://galaxy.einet.net/galaxy/Business-and-Commerce/General-Prod</a> <a href="http://www.alken-murray.com/7036msd.htm">http://www.alken-murray.com/7036msd.htm</a>

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Oil spill bioremediation	<p> <a href="http://www.envirosales.com">http://www.envirosales.com</a>  <a href="http://www.nbiap.vt.edu/brarg/brasym95/kavanaugh95.htm">http://www.nbiap.vt.edu/brarg/brasym95/kavanaugh95.htm</a>  <a href="http://www.alabastercorp.com">http://www.alabastercorp.com</a>  <a href="http://www.epa.gov/history/topics/valdez/01.htm">http://www.epa.gov/history/topics/valdez/01.htm</a>  <a href="http://www.virtualviz.com/oilspill.htm">http://www.virtualviz.com/oilspill.htm</a>  <a href="http://www.alabastercorp.com/Microbial.htm">http://www.alabastercorp.com/Microbial.htm</a>  <a href="http://www.alabastercorp.com/industrialvessel.htm">http://www.alabastercorp.com/industrialvessel.htm</a>  <a href="http://biotech.about.com/cs/companiesad/index_2.htm">http://biotech.about.com/cs/companiesad/index_2.htm</a>  <a href="http://water.usgs.gov/wid/html/bioremed.html">http://water.usgs.gov/wid/html/bioremed.html</a>  <a href="http://biotech.about.com/cs/companiesb/index.htm">http://biotech.about.com/cs/companiesb/index.htm</a>  <a href="http://oil-spill-pollution-control-degreasing-bioremediation.co.uk/">http://oil-spill-pollution-control-degreasing-bioremediation.co.uk/</a>  <a href="http://www.integraenvironmental.com">http://www.integraenvironmental.com</a>  <a href="http://www.sarvabioremed.com">http://www.sarvabioremed.com</a>  <a href="http://www.biotechnology.gov.au/biotechnologyOnline/interactives/">http://www.biotechnology.gov.au/biotechnologyOnline/interactives/</a>  <a href="http://www.bbc.unh.edu/whatisbioremediation.htm">http://www.bbc.unh.edu/whatisbioremediation.htm</a> </p>

		<a href="http://www.ocbp.co.uk">http://www.ocbp.co.uk</a> <a href="http://www.lbl.gov/NABIR">http://www.lbl.gov/NABIR</a> <a href="http://www.cytoculture.com">http://www.cytoculture.com</a> <a href="http://www.bioremediationgroup.org/BioReferences/Tier1Papers/Nutrient.htm">http://www.bioremediationgroup.org/BioReferences/Tier1Papers/Nutrient.htm</a> <a href="http://www.genomenewsnetwork.org/articles/07_02/enviro_lit.shtml">http://www.genomenewsnetwork.org/articles/07_02/enviro_lit.shtml</a>
Yahoo	Bioremediation material	<a href="http://www.fplc.edu/risk/vol7/summer/Timian.htm">www.fplc.edu/risk/vol7/summer/Timian.htm</a> <a href="http://en.wikipedia.org/wiki/Bioremediation">en.wikipedia.org/wiki/Bioremediation</a> <a href="http://www.obio.com/bioremediation.htm">www.obio.com/bioremediation.htm</a> <a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a> <a href="http://www.adbio.com/site_maps/bioremediation.htm">www.adbio.com/site_maps/bioremediation.htm</a> <a href="http://www.alken-murray.com/7036msd.htm">www.alken-murray.com/7036msd.htm</a> <a href="http://photoscience.la.asu.edu/photosyn/courses/BIO_343/lecture/bioremed.html">photoscience.la.asu.edu/photosyn/courses/BIO_343/lecture/bioremed.html</a> <a href="http://www.sunshine-project.org/publications/bk/bk9en.html">www.sunshine-project.org/publications/bk/bk9en.html</a> <a href="http://school.discovery.com/lessonplans/programs/understanding-bacteria/">http://school.discovery.com/lessonplans/programs/understanding-bacteria/</a> <a href="http://www.alken-murray.com/7038msd.htm">www.alken-murray.com/7038msd.htm</a> <a href="http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=6797645">www.osti.gov/energycitations/product.biblio.jsp?osti_id=6797645</a> <a href="http://www.pubs.asce.org/WWWdisplay.cgi?9303249">www.pubs.asce.org/WWWdisplay.cgi?9303249</a> <a href="http://worldcatlibraries.org/wcpa/ow/337fa3393a71bf35a19afeb4da09e526.html">worldcatlibraries.org/wcpa/ow/337fa3393a71bf35a19afeb4da09e526.html</a> <a href="http://www.epa.gov/swerust1/cat/insitbio.htm">www.epa.gov/swerust1/cat/insitbio.htm</a> <a href="http://www.nal.usda.gov/bic/BRS/Bioem/bioem.htm">www.nal.usda.gov/bic/BRS/Bioem/bioem.htm</a> <a href="http://www.emamerica.com/data/environment/soil-bioremediation">www.emamerica.com/data/environment/soil-bioremediation</a> <a href="http://web.ead.anl.gov/dwm/techdesc/bioem/index.cfm">web.ead.anl.gov/dwm/techdesc/bioem/index.cfm</a> <a href="http://www.biostim.com/bioremediation.htm">www.biostim.com/bioremediation.htm</a> <a href="http://www.frtr.gov/matrix2/section4/4-31.html">www.frtr.gov/matrix2/section4/4-31.html</a> <a href="http://www.environmental-center.com/articles/article1046/article1046.htm">www.environmental-center.com/articles/article1046/article1046.htm</a>
	Petroleum bioremediation material	<a href="http://www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf">www.deq.state.ok.us/factsheets/general/ExcavatedPetroleum.pdf</a> <a href="http://www.deq.state.ok.us/lpdnew/FactSheets/biodocfinal.htm">www.deq.state.ok.us/lpdnew/FactSheets/biodocfinal.htm</a> <a href="http://en.wikipedia.org/wiki/Bioremediation">en.wikipedia.org/wiki/Bioremediation</a> <a href="http://www.epa.gov/swerust1/cat/insitbio.htm">www.epa.gov/swerust1/cat/insitbio.htm</a> <a href="http://www.dec.state.ny.us/website/der/stars/pr6star2.html">www.dec.state.ny.us/website/der/stars/pr6star2.html</a> <a href="http://www.react-env.com/project_es.htm">www.react-env.com/project_es.htm</a> <a href="http://www.ecsinc.com/library/winter.htm">www.ecsinc.com/library/winter.htm</a> <a href="http://www.accessexcellence.org/LC/ST/st3bg.html">www.accessexcellence.org/LC/ST/st3bg.html</a> <a href="http://www.pvtland.com/PDF_files/Bio_Agr.pdf">www.pvtland.com/PDF_files/Bio_Agr.pdf</a> <a href="http://www.er.doe.gov/production/ober/nabir/related.html">www.er.doe.gov/production/ober/nabir/related.html</a> <a href="http://www.er.doe.gov/production/ober/nabir/related.html">www.er.doe.gov/production/ober/nabir/related.html</a> <a href="http://membership.acs.org/P/PETR/new/pubs.htm">membership.acs.org/P/PETR/new/pubs.htm</a> <a href="http://www.aehs.com/conferences/international/glance/thursday/remediation.htm">www.aehs.com/conferences/international/glance/thursday/remediation.htm</a> <a href="http://www.nal.usda.gov/bic/BRS/Bioem/bioem.htm">www.nal.usda.gov/bic/BRS/Bioem/bioem.htm</a> <a href="http://www.hawaii.edu/abrp/research/phytorem.html">www.hawaii.edu/abrp/research/phytorem.html</a> <a href="http://www.adbio.com/bioem/abstract.htm">www.adbio.com/bioem/abstract.htm</a> <a href="http://www.gsenet.org/library/03bus/crtbicyl.htm">www.gsenet.org/library/03bus/crtbicyl.htm</a> <a href="http://www.alken-murray.com/5100pib.htm">www.alken-murray.com/5100pib.htm</a> <a href="http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=7203886">www.osti.gov/energycitations/product.biblio.jsp?osti_id=7203886</a> <a href="http://www.adbio.com/bioremediation/hydrocarbon-cleanup.htm">www.adbio.com/bioremediation/hydrocarbon-cleanup.htm</a>
	Petroleum degrading microbe clean-up	<a href="http://web.umr.edu/~microbio/BIO221_1999/A_tolulyticus.html">web.umr.edu/~microbio/BIO221_1999/A_tolulyticus.html</a> <a href="http://www.obio.com/bioaugmentation.htm">www.obio.com/bioaugmentation.htm</a> <a href="http://www.genomenewsnetwork.org/articles/01_03/soil_microbe.shtml">www.genomenewsnetwork.org/articles/01_03/soil_microbe.shtml</a> <a href="http://pubmedcentral.nih.gov/articlerender.fcgi?...&amp;artid=309048">pubmedcentral.nih.gov/articlerender.fcgi?...&amp;artid=309048</a> <a href="http://egj.lib.uidaho.edu/egj11/kujat1.html">egj.lib.uidaho.edu/egj11/kujat1.html</a> <a href="http://www.sciencedaily.com/releases/2005/03/050329134209.htm">www.sciencedaily.com/releases/2005/03/050329134209.htm</a> <a href="http://mmbr.asm.org/cgi/content/full/67/4/503">mmbr.asm.org/cgi/content/full/67/4/503</a>

		<a href="http://www.austincc.edu/biot/hs/curriculum/mod6/bioremed.pdf">www.austincc.edu/biot/hs/curriculum/mod6/bioremed.pdf</a> <a href="http://www.wcponline.com/column.cfm?T=T&amp;ID=1725&amp;AT=T">www.wcponline.com/column.cfm?T=T&amp;ID=1725&amp;AT=T</a> <a href="http://www.ecsinc.com/library/winter.htm">www.ecsinc.com/library/winter.htm</a> <a href="http://www.prism-magazine.org/nov03/munching_waste.cfm">www.prism-magazine.org/nov03/munching_waste.cfm</a> <a href="http://www.genomenetwork.org/articles/2004/08/19/genomesworld.php">www.genomenetwork.org/articles/2004/08/19/genomesworld.php</a> <a href="http://www.wcp.net/ArchiveNewsView.cfm?pkArticleID=1725&amp;AT=T">www.wcp.net/ArchiveNewsView.cfm?pkArticleID=1725&amp;AT=T</a> <a href="http://www.thehindubusinessline.com/2000/10/18/stories/041825sq.htm">www.thehindubusinessline.com/2000/10/18/stories/041825sq.htm</a> <a href="http://www.eurekalert.org/pub_releases/2006-01/dgi-rhd011006.php">www.eurekalert.org/pub_releases/2006-01/dgi-rhd011006.php</a> <a href="http://www.pureone.com/Products/PetroXclean/pclean.htm">www.pureone.com/Products/PetroXclean/pclean.htm</a> <a href="http://www.asm.org/microbe/index.asp?bid=22339">www.asm.org/microbe/index.asp?bid=22339</a> <a href="http://www.eurekalert.org/pub_releases/1997-05/PU-MMMA-150597.php">www.eurekalert.org/pub_releases/1997-05/PU-MMMA-150597.php</a> <a href="http://www.epriweb.com/public/000000000001009427.pdf">www.epriweb.com/public/000000000001009427.pdf</a> <a href="http://ewr.cee.vt.edu/environmental/teach/gwprimer/biorem/index.html">ewr.cee.vt.edu/environmental/teach/gwprimer/biorem/index.html</a>
	Oil spill bioremediation	<a href="http://www.alabastercorp.com">www.alabastercorp.com</a> <a href="http://www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html">www.geocities.com/CapeCanaveral/Lab/2094/bioremed.html</a> <a href="http://fiesta.bren.ucsb.edu/~vbroje/oil_spill_publications.htm">fiesta.bren.ucsb.edu/~vbroje/oil_spill_publications.htm</a> <a href="http://mabr.asm.org/cgi/reprint/60/2/342.pdf">mabr.asm.org/cgi/reprint/60/2/342.pdf</a> <a href="http://www.sciencedaily.com/releases/2005/05/050517063708.htm">www.sciencedaily.com/releases/2005/05/050517063708.htm</a> <a href="http://www.epa.gov/oilspill/pdfs/biofact.pdf">www.epa.gov/oilspill/pdfs/biofact.pdf</a> <a href="http://www.epa.gov/ORD/NRMRL/lrpcd/esm/oil_spill_bioremediation_research.htm">www.epa.gov/ORD/NRMRL/lrpcd/esm/oil_spill_bioremediation_research.htm</a> <a href="http://http://www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html">http://www.biologynews.net/archives/2005/05/16/a_hope_for_oil_spill_bioremediation.html</a> <a href="http://www.eurekalert.org/pub_releases/2005-05/bpl-ahf051605.php">www.eurekalert.org/pub_releases/2005-05/bpl-ahf051605.php</a> <a href="http://www.envirosales.com">www.envirosales.com</a> <a href="http://www.valdezlink.com/inipol/pages/experiment.htm">www.valdezlink.com/inipol/pages/experiment.htm</a> <a href="http://fiesta.bren.ucsb.edu/~vbroje/oil_spill_information.htm">fiesta.bren.ucsb.edu/~vbroje/oil_spill_information.htm</a> <a href="http://www.gomr.mms.gov/homepg/regulate/environ/techsumm/2002/2002-048.html">www.gomr.mms.gov/homepg/regulate/environ/techsumm/2002/2002-048.html</a> <a href="http://www.osti.gov/energycitations/product.biblio.jsp?osti_id=6857019">www.osti.gov/energycitations/product.biblio.jsp?osti_id=6857019</a> <a href="http://http://www.oilandgasonline.com/content/news/article.asp?docid=492476f1-539c-4977-ba8a-337ed5ad55aa&amp;VNETCOOKIE=NO">http://www.oilandgasonline.com/content/news/article.asp?docid=492476f1-539c-4977-ba8a-337ed5ad55aa&amp;VNETCOOKIE=NO</a> <a href="http://http://www.offshore-technology.com/contractors/environmental/hebo/">http://www.offshore-technology.com/contractors/environmental/hebo/</a> <a href="http://www.ecochem.com/t_2100p.html">www.ecochem.com/t_2100p.html</a> <a href="http://www.losco.state.la.us/pdf_docs/RRT6_Bioremediation_Guidance_2000.pdf">www.losco.state.la.us/pdf_docs/RRT6_Bioremediation_Guidance_2000.pdf</a> <a href="http://http://www.nrt.org/production/NRT/RRTHome.nsf/resources/RRTIV-Pamphlets/\$File/2_RRT4_Bioremediation_Pamphlet.pdf">http://www.nrt.org/production/NRT/RRTHome.nsf/resources/RRTIV-Pamphlets/\$File/2_RRT4_Bioremediation_Pamphlet.pdf</a> <a href="http://www.mms.gov/tarprojectcategories/chemical.htm">www.mms.gov/tarprojectcategories/chemical.htm</a>

**Thomas Register – (<http://www.thomasregister.com/>)**

The Thomas Register, a free web service, provides a database of over 173,000 companies that can be searched by company name, product name or keyword. Each result contains contact information and may also include other useful information such as a product catalog.

Keyword	Results
Bioremediation material - “Bioremediation Services”	GET, Inc. - Long Beach, CA Dobbs Environmental - Covington, GA McCutcheon Enterprises, Inc. Interior Maintenance Co., Inc. - Lansdowne, PA Anco Environmental Services, Inc. - Berkeley Heights, NJ Atlantic Power Cleaning - Woburn, MA Yankee Fiber Control - East Providence, RI Bio-Reg Associates, Inc. - Beltsville, MD

	<p>Waste Stream Technology, Inc. - Buffalo, NY  Gage Products Co. - Ferndale, MI  Remedial Construction Service, Inc. - Houston, TX  Southwest Hydrokinetics, Inc. - Fort Worth, TX  Evergreen Environmental Services, LLC - Texas City, TX  Redox Tech LLC - Morrisville, NC  S &amp; G Water Conditioning - Ambler, PA  Bestechnologies, Inc. - Sarasota, FL  Detrex Corp. - Detroit, MI  Specialty Systems, Inc. - Harrison, OH  Biological Abatement Solutions - Pottstown, PA  Purgo, Inc. - Glen Allen, VA</p>
Petroleum bioremediation material – “Bioremediation Systems”	<p>GET, Inc. - Long Beach, CA  Tulsa Cleaning Systems - Tulsa, OK  EZ Environmental Solutions/Pressure Island - Menlo Park, CA  US Filter - Palm Desert, CA  WaterMaze Water Treatment Systems - Camas, WA  Blue Lightning - Moorestown, NJ  Carbonair - New Hope, MN</p>
Petroleum degrading microbe clean-up – “Spill Clean-Up Services”	<p>Key Environmental - Dover, NJ  Youngstown Barrel &amp; Drum Co. - Youngstown, OH  Briggs Company, The - New Castle, DE  Bethlehem Apparatus Co., Inc. - Hellertown, PA  Interstate Products, Inc. - Sarasota, FL  AK Services, Inc. - Everett, MA  A &amp; A Industrial Supply - Wilmington, MA  Philip Services Corp. - Providence, RI  Cambridge Chemical Cleaning, Inc. - Linden, NJ  Crucial, Inc. - Gretna, LA  McCutcheon Enterprises, Inc. - Apollo, PA  Interior Maintenance Co., Inc. - Lansdowne, PA  Material Handling Technologies, Inc.  Surface Technology, Inc. - Lancaster, PA  Anco Environmental Services, Inc. - Berkeley Heights, NJ  Atlantic Power Cleaning - Woburn, MA  Mobile Services - Aliquippa, PA  TAK Environmental Services, Inc. - Bunnell, FL  Chemtron Corp. - Avon, OH  3i International - Stockton, CA</p>
Oil spill bioremediation – “Oil Spill Bioremediation Products”	<p>Port City Industrial &amp; Marine Supply, Inc. - Savannah, GA  Centrifix Corp. - The Woodlands, TX  Safeware, Inc.  Phoenix Rescue &amp; Recovery Equipment - Fuquay-Varina, NC  WaterMaze Water Treatment Systems - Camas, WA  Complete Environmental Products, Inc. - Pasadena, TX  Environmental Safety Products, Inc. - San Dimas, CA  GaiaChem Technologies LLC - Chantilly, VA</p>

### Industry Associations

Industry associations provide a good source to identify potential manufacturers, distributors, determine additional keywords for internet searches, and provide general descriptions of products within an item. Many

associations maintain official websites with lists of member organizations and in some cases catalogs of available products.

Association Investigated	Results
United Soybean Board Association National Corn Growers Association Spill Control Association of America Association of Petroleum Industry Cooperative Managers Oil Spill Removal Organization Association for Environmental Health and Sciences	No results

**General Services Administration – Federal Specifications Search**

(<http://apps.fss.gsa.gov/pub/fedspecs/search.cfm>)

This search lists commercial item and federal specifications for different products.

Keyword	Results	
Bioremediation material	No results found	
Petroleum bioremediation material	No results found	
Petroleum degrading microbe clean-up	No results found	
Oil spill bioremediation	No results found	

**Defense Logistics Agency – ASSIST-Basic Search**

([http://www.assistdocs.com/search/search\\_basic.cfm](http://www.assistdocs.com/search/search_basic.cfm))

This search lists military, federal, and commercial item specifications.

Keyword	Results	
Bioremediation material	No results found	
Petroleum bioremediation material	No results found	
Petroleum degrading microbe clean-up	No results found	
Oil spill bioremediation	No results found	

**AbilityOne – ([http://www.abilityone.gov/jwod/p\\_and\\_s/search\\_products.html](http://www.abilityone.gov/jwod/p_and_s/search_products.html))**

AbilityOne is a mandatory source of supply for all Federal government employees. These products are manufactured and distributed by nonprofit agencies throughout the United States that employ people who are blind or have other severe disabilities.

Keyword	Results
Bioremediation material	No results found
Petroleum bioremediation material	No results found
Petroleum degrading microbe clean-up	No results found
Oil spill bioremediation	No results found

**Green Seal Environmental Standards– (<http://www.greenseal.org/findaproduct/index.cfm>)**

Green Seal develops environmental certification standards for specific product categories and certifies products and services that meet them.

Standard Number	Standard Title
No Results	

**FedBizOpps – (<http://www.fedbizopps.gov/>)**

FedBizOpps.gov is the single government point-of-entry for Federal government procurement opportunities over \$25,000.

Keyword	Office	Posted Date	Synopsis
Bioremediation material	Securities and Exchange Commission	Jul 22, 2008	Investigative Testimony Training SECHQ1-08-Q-8214 R -- Professional, administrative, and management support services
	Department of Commerce	Jul 22, 2008	FY09 - DRY DOCK REPAIRS TO NOAA VESSEL VICTOR LOOSANOFF EA133M-08-RQ-0748 J -- Maintenance, repair & rebuilding of equipment
	Other Defense Agencies	Jul 22, 2008	Multipurpose Electrosurgical Generators HU0001-08-Q-0791 65 -- Medical, dental & veterinary equipment & supplies
	Department of the Air Force	Jul 22, 2008	J-- FA8207-08-Q-75177 J -- Maintenance, repair & rebuilding of equipment
	Department of Health and Human Services	Jul 22, 2008	Building 376 North Wing Renovation H08-1255 Y -- Construction of structures and facilities
	Department of Veterans Affairs	Jul 22, 2008	Y--VA256-08-RQ-0343Purchase & Install Rubber Flooring VA-256-08-RQ-0343 Y -- Construction of structures and facilities
	Department of Veterans Affairs	Jul 22, 2008	V--VA-248-08-RQ-0312 Tampa Ambulance VA-248-08-RQ-0312 V -- Transportation, travel, & relocation services
	Department of the Air Force	Jul 22, 2008	Swimming Pool Maintenance FA4877-09-Q-0020 J -- Maintenance, repair & rebuilding of equipment
	Department of	Jul 22, 2008	Shelving System

	<b>Justice</b>		IS0081-08 39 -- Materials handling equipment
	<b>Department of Veterans Affairs</b>	Jul 22, 2008	Y--BLDG 3 RENOVATION AND ELEVATOR INSTALLATION VA-528-08-RP-0192 Y -- Construction of structures and facilities
	<b>Department of the Navy</b>	Jul 22, 2008	60--FIBER OPTICS MATERIALS, COMPONENTS, ASSEMBLIES AND ACCESSORIES N0017808R2014 60 -- Fiber optics materials, components, assemblies & accessories
	<b>Department of the Navy</b>	Jul 22, 2008	J--PAINT SPRAY BOOTH N6883608R0053 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of the Navy</b>	Jul 22, 2008	61--Radio Power Adaptors (RPA) M6785408R5095 61 -- Electric wire & power & distribution equipment
	<b>Department of the Army</b>	Jul 22, 2008	Y--Concrete Reinforcement Supports for High Pressure Pipes for the Nashville District USACE J. Percy Priest Dam W912P5-08-B-0011 Y -- Construction of structures and facilities
	<b>Department of the Air Force</b>	Jul 22, 2008	28--DUCT,FAN,AIRCRAFTG SPRTA1-08-Q-0053 28 -- Engines, turbines & components
	<b>Other Defense Agencies</b>	Jul 22, 2008	Vision Testing Program HM157608R0009 R -- Professional, administrative, and management support services
	<b>Department of the Army</b>	Jul 22, 2008	J--Maintain/Calibrate Metal Spray Booths W912NW-08-T-0109 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of the Air Force</b>	Jul 22, 2008	Heavy Duty Electric Low-Lift Walk-Behind Pallet Truck F1B3M38176A001MM 39 -- Materials handling equipment
	<b>Department of the Interior</b>	Jul 22, 2008	J--Original Exhibit Building Rehabilitation 08SP308112 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of the Air Force</b>	Jul 22, 2008	Replace Fire alarm and detection system in Bldg 40 FA4600-08-B-0012 S -- Utilities and housekeeping services

Petroleum Bioremediation Material	<b>Department of Veterans Affairs</b>	Jul 22, 2008	Z--MRI Suite at VA Medical Center, Providence, RI VA-241-08-RP-0342 Z -- Maintenance, repair, and alteration of real property
	<b>Department of the Army</b>	Jul 22, 2008	Y--CHANGE TO ESTIMATED POSTING DATE OF SOLICITATION WITH PLANS AND SPECIFICATIONS. W912L108R0045 Y -- Construction of structures and facilities
	<b>Department of Agriculture</b>	Jul 22, 2008	Feather Falls Trailhead Access Road 173078 Z -- Maintenance, repair, and alteration of real property
	<b>General Services Administration</b>	Jul 22, 2008	R--Professional Engineering Services TFTP-MC-990871-B R -- Professional, administrative, and management support services
	<b>Securities and Exchange Commission</b>	Jul 22, 2008	Investigative Testimony Training SECHQ1-08-Q-8214 R -- Professional, administrative, and management support services
	<b>Department of Commerce</b>	Jul 22, 2008	FY09 - DRY DOCK REPAIRS TO NOAA VESSEL VICTOR LOOSANOFF EA133M-08-RQ-0748 J -- Maintenance, repair & rebuilding of equipment
	<b>Other Defense Agencies</b>	Jul 22, 2008	Multipurpose Electrosurgical Generators HU0001-08-Q-0791 65 -- Medical, dental & veterinary equipment & supplies
	<b>Department of the Air Force</b>	Jul 22, 2008	J-- FA8207-08-Q-75177 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of Health and Human Services</b>	Jul 22, 2008	Building 376 North Wing Renovation H08-1255 Y -- Construction of structures and facilities
	<b>Department of Veterans Affairs</b>	Jul 22, 2008	Y--VA256-08-RQ-0343Purchase & Install Rubber Flooring VA-256-08-RQ-0343 Y -- Construction of structures and facilities
<b>Department of Veterans Affairs</b>	Jul 22, 2008	V--VA-248-08-RQ-0312 Tampa Ambulance VA-248-08-RQ-0312 V -- Transportation, travel, & relocation services	

	<b>Department of the Air Force</b>	Jul 22, 2008	Swimming Pool Maintenance FA4877-09-Q-0020 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of Justice</b>	Jul 22, 2008	Shelving System IS0081-08 39 -- Materials handling equipment
	<b>Department of Veterans Affairs</b>	Jul 22, 2008	Y--BLDG 3 RENOVATION AND ELEVATOR INSTALLATION VA-528-08-RP-0192 Y -- Construction of structures and facilities
	<b>Department of the Navy</b>	Jul 22, 2008	60--FIBER OPTICS MATERIALS, COMPONENTS, ASSEMBLIES AND ACCESSORIES N0017808R2014 60 -- Fiber optics materials, components, assemblies & accessories
	<b>Department of the Navy</b>	Jul 22, 2008	J--PAINT SPRAY BOOTH N6883608R0053 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of the Navy</b>	Jul 22, 2008	61--Radio Power Adaptors (RPA) M6785408R5095 61 -- Electric wire & power & distribution equipment
	<b>Department of the Army</b>	Jul 22, 2008	Y--Concrete Reinforcement Supports for High Pressure Pipes for the Nashville District USACE J. Percy Priest Dam W912P5-08-B-0011 Y -- Construction of structures and facilities
	<b>Department of the Air Force</b>	Jul 22, 2008	28--DUCT,FAN,AIRCRAFTG SPRTA1-08-Q-0053 28 -- Engines, turbines & components
	<b>Other Defense Agencies</b>	Jul 22, 2008	Vision Testing Program HM157608R0009 R -- Professional, administrative, and management support services
Petroleum Degrading Microbe Clean-up	<b>Department of the Army</b>	Jul 22, 2008	51--Hydraulic, Electric, Pneumatic, Petroleum Operated Equipment (HEPPOE) Tool Set W52H09-08-R-0134 51 -- Hand tools
	<b>Department of the Air Force</b>	Jul 22, 2008	Replace bulbs and ballasts for 60 fixtures F3M3C28179A001 Z -- Maintenance, repair, and alteration of real property
	<b>Department of the Navy</b>	Jul 22, 2008	This is a Request for Information (RFI); neither a draft statement of work nor

		specifications are available. The information received will be used as part of a market survey. Issuance of this RFI should not be construed as obligating the Department of Nav N0001908P1AS043 16 -- Aircraft components & accessories
<b>Department of the Air Force</b>	Jul 21, 2008	Water Scenario Audio/Visual (WSAV) Upgrade FA4620-08-M-A030 16 -- Aircraft components & accessories
<b>Department of Agriculture</b>	Jul 21, 2008	FIR CREEK CULVERT REPLACEMENT AG-0261-S-08-0032 Y -- Construction of structures and facilities
<b>Department of the Air Force</b>	Jul 21, 2008	Apply Coating to Containment Facility FA4625-08-Q-0027 S -- Utilities and housekeeping services
<b>United States House of Representatives</b>	Jul 21, 2008	Contractor support to provide cradle to grave Office Equipment Maintenance Management Support Program (EMMSP) for repair and preventative maintenance of multi brands os selected copiers, fax machines, scanners, and multi use machines OPR08000061 J -- Maintenance, repair & rebuilding of equipment
<b>Department of the Navy</b>	Jul 19, 2008	Tanker Voyage Charter N00033-08-R-5133 V -- Transportation, travel, & relocation services
<b>Department of the Navy</b>	Jul 18, 2008	Tanker Time Charter N00033-08-R-5411 V -- Transportation, travel, & relocation services
<b>Department of the Navy</b>	Jul 18, 2008	Tanker Voyage Charter N00033-08-R-5132 V -- Transportation, travel, & relocation services
<b>Department of the Navy</b>	Jul 18, 2008	--TESTING PETROLUEM TANKS, BASE WIDE, MARINE CORPS LOGISTICS BASE, ALBANY, GA N6945008Q2291 H -- Quality control, testing & inspection services
<b>Environmental Protection Agency</b>	Jul 18, 2008	S--Equipment Management and Warehouse Services - Region 9 PR-R5-08-10132 S -- Utilities and housekeeping services
<b>Department of the Air Force</b>	Jul 18, 2008	Amendment 01 F4FFAM8189A001

			66 -- Instruments & laboratory equipment
	<b>Department of Agriculture</b>	Jul 18, 2008	Margaret Outhouse Construction AG-0116-S-08-0034 Y -- Construction of structures and facilities
	<b>Department of Commerce</b>	Jul 18, 2008	Amendment 0001 NFFN5300-8-37319SLW 99 -- Miscellaneous
	<b>National Aeronautics and Space Administration</b>	Jul 18, 2008	B--REQUEST FOR INFORMATION FOR DEVELOPMENT OF ELECTRICAL POWER DISTRIBUTION ASSET CONDITION ASSESSMENT LBK-LARC-KW B -- Special studies and analysis - not R&D
	<b>Department of the Army</b>	Jul 18, 2008	89--Catered meals for Ft. Custer, Augusta, Michigan W912JB-08-T-2021 89 -- Subsistence
	<b>Department of Agriculture</b>	Jul 18, 2008	Rock Creek Culvert AG-82X9-S-08-0099 Y -- Construction of structures and facilities
	<b>Department of the Navy</b>	Jul 18, 2008	Cable Conduit N66604-08-Q-4264 61 -- Electric wire & power & distribution equipment
	<b>Department of the Navy</b>	Jul 18, 2008	Z--RENOVATE DUPLEX FAMILY HOUSING UNITS N4008408R9000 Z -- Maintenance, repair, and alteration of real property
Oil Spill Bioremediation	<b>Department of the Air Force</b>	Jul 22, 2008	Maintenace and Repair of Oil/Water Separators FA9301-08-R-0002-Oil-Water-Separator-Maintenance J -- Maintenance, repair & rebuilding of equipment
	<b>Department of the Army</b>	Jul 22, 2008	Armed Forces Reserve Center W912PQ-08-R-0020 Y -- Construction of structures and facilities
	<b>Department of Homeland Security</b>	Jul 22, 2008	PUMP HSCG40-08-Q-51074 43 -- Pumps & compressors
	<b>Department of Agriculture</b>	Jul 22, 2008	Trash Compactor - Gila National Forest R3-6-08-27 36 -- Special industry machinery
	<b>Department of the Air Force</b>	Jul 22, 2008	28--SEAL,AIR,AIRCRAFT G FA8104-08-R-0358 28 -- Engines, turbines & components

<b>Department of the Army</b>	Jul 21, 2008	74--Printer & Shredder W80HYJ81840501 74 -- Office machines, text processing systems & visible record equipment
<b>Department of the Air Force</b>	Jul 21, 2008	S -- PAFB & CMAFS Custodial Services FA2517-07-R-5001 S -- Utilities and housekeeping services
<b>Department of the Navy</b>	Jul 21, 2008	Y--P670 FY08 TURBO PROP JET ENGINE TEST CELL, MCAS NEW RIVER, NORTH CAROLINA N4008508R1410 Y -- Construction of structures and facilities
<b>Department of the Army</b>	Jul 21, 2008	61--Diesel Generators W909NB81480111 61 -- Electric wire & power & distribution equipment
<b>Department of the Army</b>	Jul 21, 2008	Y--Ouachita River Basin, Ouachita River, Arkansas, Blakely Mountain Power Plant, Power Plant Electrical, General Transformer Oil Containment W912EE-08-B-0019 Y -- Construction of structures and facilities
<b>Department of the Army</b>	Jul 21, 2008	BRAC Moody TF-34 Engine Shop (A10-BD), Moody AFB, GA W912HN-08-R-0034 Y -- Construction of structures and facilities
<b>Department of the Air Force</b>	Jul 21, 2008	Construct Oil/Bromine Storage Facility FA9101-08-B-0034 Y -- Construction of structures and facilities
<b>Department of Agriculture</b>	Jul 21, 2008	Aerial Supervision Module (ASM) Platforms - Multiple Awards AG-024B-S-08-9010 W -- Lease or Rental of equipment
<b>Department of the Air Force</b>	Jul 21, 2008	Apply Coating to Containment Facility FA4625-08-Q-0027 S -- Utilities and housekeeping services
<b>Department of the Navy</b>	Jul 21, 2008	66--RF Temperature & Humidity Test Chamber N0017808R1034 66 -- Instruments & laboratory equipment
<b>Department of the Air Force</b>	Jul 21, 2008	Oil/Water Separator, Grease & Sand Traps, and Lift Stations F1M3E38165AQ03 46 -- Water purification & sewage treatment equipment
<b>Department of the Navy</b>	Jul 21, 2008	Repair of T56 Oil Debris Detection System (ODDS)

			N68335-08-LAK000633 J -- Maintenance, repair & rebuilding of equipment
	<b>Department of Commerce</b>	Jul 21, 2008	Hydraulic Power Unit, Servo-valve, Grips, Grip Supply, and Wedges SB1341-08-RQ-0452 52 -- Measuring tools
	<b>Department of Homeland Security</b>	Jul 21, 2008	20 -- Replacement Fuel Oil Purifiers HSCG40-08-R-50025 20 -- Ship and marine equipment
	<b>Defense Logistics Agency</b>	Jul 21, 2008	Solicitation for approximately 40 items of various fuels for COG 3 SP0600-05-R-0031-003 91 -- Fuels, lubricants, oils & waxes

### **Conclusion**

The results from the eight information sources indicate that 31 manufacturing and distributing companies in the United States are currently supplying Bioremediation Materials that may be considered for inclusion in the BioPreferred Program.