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National Contingency Plan Product Schedule Toxicity and Effectiveness Summaries

For the products on the [National Contingency Plan \(NCP\) Product Schedule](#), EPA provides a summary of effectiveness and toxicity for each of the product categories:

- [Bioremediation agents](#)
- [Dispersants](#)
- [Miscellaneous oil spill control agents](#)
- [Surface collecting agents](#)
- [Surface washing agents](#)

[Appendix C to 40 CFR part 300 \(PDF\)](#) (277 pp, 1.8MB, [About PDF](#)) describes methods for required toxicity (Dispersants, Surface Washing Agents, Surface Collecting Agents, and Miscellaneous Oil Spill Control Agents) and effectiveness (Bioremediation Agents) tests.

Bioremediation Agents

Product	Toxicity* 1:10 Product and No. 2 Fuel Oil Test		Effectiveness (%) 28 day – ANS 521 Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)	Alkanes Reduction (%)	Aromatics Reduction (%)
ACT TERRA FIRMA	2.61	1.19	99.60	94.20
ACT-TF (see ACT TERRA FIRMA)	2.61	1.19	99.60	94.20
AGROREMED (see SPILLREMED (MARINE)®)	37.50	22.40	97.00	47.00
AGROREMED (see SPILLREMED (MARINE)®)	37.50	22.40	97.00	47.00
B&S INDUSTRIAL (see STEP ONE)	NA	NA	44.03	54.51
BET BIOPETRO	NA	NA	99.00	67.00
BIO-REGEN HYDROCARBON (see SOIL RX)	NA	NA	49.71	73.64
BIOREM-2000 OIL DIGESTER™	NA	NA	99.80	71.00

Product	Toxicity* 1:10 Product and No. 2 Fuel Oil Test		Effectiveness (%) 28 day – ANS 521 Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)	Alkanes Reduction (%)	Aromatics Reduction (%)
BIOWORLD BIOREMEDIATION TREATMENT PRODUCTS	13.90	7.10	97.00	88.00
DRYLET™ MB BIO	NA	NA	98.60	85.10
DUALZORB®	8.43	2.70	99.40	92.50
ECOBIOCLEAN® 100 COSW	NA	NA	90.00	75.70
ERGOFIT MICRO MIX AQUA	NA	NA	99.10	82.20
HYDROREMED (see SPILLREMED (MARINE)®)	37.50	22.40	97.00	47.00
JE1058BS	8.68	2.44	92.6	39.0
LAND AND SEA RESTORATION PRODUCT 001 (VELITE)	NA	NA	42.92	31.92
MICRO-BLAZE®	NA	NA	94.10	47.60
MICROSORB SC (see OPPENHEIMER FORMULA)	NA	NA	89.10	38.20
MUNOX SR®	NA	NA	94.9	75.5
OILCLEAN w/ACTIVATOR (see PRO-ACT)	NA	NA	99.86	94.15
OIL SPILL EATER II (OSE II)	NA	NA	89.80	89.60
OPPENHEIMER FORMULA	NA	NA	89.10	38.20
PETROCLEAN™	NA	NA	74.40	61.10

Product	Toxicity* 1:10 Product and No. 2 Fuel Oil Test		Effectiveness (%) 28 day – ANS 521 Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)	Alkanes Reduction (%)	Aromatics Reduction (%)
PRO-ACT	NA	NA	99.86	94.15
REMEDIADÉ™	NA	NA	99.0	99.4
S-200C	25.33	17.67	98.00	10.40
SHAMANTRA BIO (see SHAMANTRA GREEN)	NA	NA	99.7	95.3
SHAMANTRA GREEN	NA	NA	99.7	95.3
SOIL RX	NA	NA	49.71	73.64
SP 7010 (see REMEDIADÉ™)	NA	NA	99.0	99.4
SPILL GENIE™ 3T	NA	NA	68.50	44.40
SPILLREMÉD (INDUSTRIAL (see SPILLREMÉD (MARINE)®)	37.50	22.40	97.00	47.00
SPILLREMÉD (MARINE)®	37.50	22.40	97.00	47.00
STEP ONE	NA	NA	44.03	54.51
SUMP SAFE BIO- RECLAIM	NA	NA	47.40	49.00
SYSTEM E.T. 20	NA	NA	99.10	77.00
TRAILZORB (see DUALZORB®)	8.43	2.70	99.40	92.50
VAPORREMÉD (see SPILLREMÉD (MARINE)®)	37.50	22.40	97.00	47.00
*VB591™, VB997™, BIONUTRIX®	NA	NA	96.80	73.10
WASTE AWAY®	12.54	2.11	99.20	60.70

Product	Toxicity* 1:10 Product and No. 2 Fuel Oil Test		Effectiveness (%) 28 day – ANS 521 Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)	Alkanes Reduction (%)	Aromatics Reduction (%)
WHITZORB (see DUALZORB®)	8.43	2.70	99.40	92.50
WMI-2000	NA	NA	60.30	33.30

*Toxicity testing is not required for Bioremediation Agents; data provided if submitted by vendor.

Dispersants



Product	Toxicity (LC50 in ppm)				Effectiveness (%) Swirling Flask Test	
	Product Only		1:10 Product to No. 2 Fuel Oil			
	Menidia (96-hr)	Mysidopsis (48-hr)	Menidia (96-hr)	Mysidopsis (48-hr)	Prudhoe Bay Crude Oil	South Louisiana Crude Oil
ACCELL CLEAN® DWD	5.66	2.07	8.05	1.32	58.70	96.03
BIODISPERS	13.46	78.90	5.95	2.66	51.00	63.00
BIODISPERS	13.46	78.90	5.95	2.66	51.00	63.00
CHIMEC CHIMSPERSE 6000	2.51	3.43	3.01	1.88	48.30	58.50
COREXIT™ EC9500B	29.13	10.00	4.46	2.13	57.00	50.90
COREXIT™ EC9527A	14.57	24.14	4.49	6.60	37.40	63.40
DISPERSIT SPC 1000™	3.50	16.60	7.90	8.20	40.00	100.00
FFT- SOLUTION®	5.34	2.72	5.14	2.75	49.97	48.87
FINASOL® OSR 52	11.66	9.37	5.40	2.37	32.50	71.60

Product	Toxicity (LC50 in ppm)				Effectiveness (%) Swirling Flask Test	
	Product Only		1:10 Product to No. 2 Fuel Oil			
	Menidia (96-hr)	Mysidopsis (48-hr)	Menidia (96-hr)	Mysidopsis (48-hr)	Prudhoe Bay Crude Oil	South Louisiana Crude Oil
JD-109	1.90	1.18	3.84	3.51	26.00	91.00
JD-2000™	407.00	90.50	3.59	2.19	60.40	77.80
MARE CLEAN 200	1996.00	938.00	42.00	9.84	63.97	84.14
MARINE D-BLUE CLEAN™	18.00	56.00	32.00	18.00	45.00	55.59
NEOS AB3000	91.10	33.00	57.00	25.00	19.70	89.80
NOKOMIS 3-AA	34.22	20.16	7.03	5.56	63.20	65.70
NOKOMIS 3-F4	29.80	32.20	100	58.40	62.20	64.90
SAF-RON GOLD	29.43	63.00	9.25	3.04	84.80	53.80
SEA BRAT #4	30.00	14.00	23.00	18.00	53.55	60.65
SEACARE ECOSPERSE 52 (see FINASOL® OSR 52)	11.66	3.77	5.40	2.37	32.50	71.60
SEACARE E.P.A. (see DISPERSIT SPC 1000™)	3.50	16.60	7.90	8.20	40.00	100.00
SF-GOLD DISPERSANT (see SAF-RON GOLD)	29.43	63.00	9.25	3.04	84.80	53.80
ZI-400	31.76	20.96	8.35	1.77	50.10	89.80
ZI-400 OIL SPILL DISPERSANT (see ZI-400)	37.16	20.96	8.35	1.77	50.10	89.80

Miscellaneous Oil Spill Control Agents

Table 1: Miscellaneous Oil Spill Control Agents

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test		Effectiveness (%)
	Menidia (96-hr)	Mysidopsis (48-hr)	
AQUAFLEX®	5.49	1.67	NA
AQUAPAL®	17.76	3.56	NA
ELASTOL	8.20	3.70	NA
LIQUID ELASTOL (see ELASTOL)	8.20	3.70	NA
MARI-ZYME (see ZYME- FLOW)	8.70	1.60	NA
PES-51	435.00	14.50	NA
PX 700™	5.65	2.77	NA
S-200 OILGONE®	15.83	2.46	NA
SEPARATE (see ELASTOL)	8.20	3.70	NA
UNITED 658 PETRO- ZYME (see ZYME-FLOW)	8.70	1.60	NA
ZYME-FLOW	8.70	1.60	NA
ZYME-TREAT (see ZYME- FLOW)	8.70	1.60	NA

Table 2: Solidifiers

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test		Effectiveness (%)
	Menidia (96-hr)	Mysidopsis (48-hr)	
ALSOCUP	14.00	10.00	NA

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test		Effectiveness (%)
	Menidia (96-hr)	Mysidopsis (48-hr)	
AQUA N-CAP™ POLYMER (see OIL SOLUTIONS POWDER)	22.50	2.13	NA
CAS 100©	5.94	1.41	NA
CIAGENT	5.93	1.73	NA
GELCO 200	3.15	3.51	NA
HYDRO-BOND™	19.93	1.93	NA
NORSOREX® APX	39.80	3.06	NA
OIL BOND®	3.80	9.60	NA
OIL SOLUTIONS POWDER	22.50	2.13	NA
RAPIDGRAB 2000™	4.07	2.60	NA
WASTE-SET 3200®	552.00	58.00	NA
WASTE-SET 3400®	442.00	36.00	NA

Surface Collecting Agents

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)
SILTECH OP-40	9.70	3.27
THICKSLICK 6535	5.91	1.53

Surface Washing Agents

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	



Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)
ACCELL CLEAN® SWA	17.13	2.92
ADP-7	14.10	7.81
ALL PURPOSE CLEANER & REMIADIATOR (see GREEN BEAST™ OIL SPILL & ODOR REMEDIATOR)	7.15	2.24
AQUACLEAN	6.50	2.10
AWAN PRA OIL FIELD SOLUTION™ (see EPA OIL FIELD SOLUTION™)	2.94	1.12
BG-CLEAN™ 401	13.10	2.86
BIOGRASS EXTRA®	2.54	2.24
BIOSOLVE® PINKWATER®	7.40	1.30
CAST OFF™ (see FORMULA 206-1x BIO- WASH™)	3.90	4.10
CLEAN GREEN	4.73	2.24
CLEANGREEN® PLANET WASH	4.73	2.24
CN-110	7.40	1.19
COREXIT™ EC9580A	13.20	9.06
CORIBA 700 ER (see CORIBA 700 SR)	22.80	3.58
CORIBA 700 OS (see CORIBA 700 SR)	22.80	3.58
CORIBA 700 SR	22.80	3.58
CORIBA 713 ER (see CORIBA 713 SR)	9.55	4.04
CORIBA 713 OS (see CORIBA 713 SR)	9.55	4.04
CORIBA 713 SR	9.55	4.04
CYTOSOL	24.30	7.00
DE-SOLV-IT CLEAN AWAY APC SUPER CONCENTRATE	6.42	0.69

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)
DE-SOLV-IT INDUSTRIAL CLEANER	9.40	1.68
DO ALL #18	9.38	0.57
DYNAMIC GREEN™	6.85	3.30
ECOVOOM-MARINE (see JEP-MARINE CLEAN)	3.58	2.32
E-SAFE®	8.77	14.20
ENVIROCLEAN	8.13	1.76
ENVIRONMENTAL 1 CRUDE OIL CLEANER	2.19	0.43
ENVIRONMENTAL 1 WASHING AGENT (see ENVIRONMENTAL 1 CRUDE OIL CLEANER)	2.19	0.43
EPA OIL FIELD SOLUTION™	2.94	1.12
EO ALL PURPOSE SOAP-LAVENDER	3.14	2.37
ETHOS CLEAN	25.00	5.00
F-500	<10.00	32.00
FIREMAN'S BRAND SPILLCLEAN (see SPILLCLEAN)	3.30	1.30
FORMULA 206-1x (see FORMULA 206-1x BIO-WASH™)	3.90	4.10
FORMULA 206-1x BIO-WASH™	3.90	4.10
G-CLEAN OSC-1809	6.05	2.51
GLOBAL ENVIRONMENTAL CLEANER™ (see EPA OIL FIELD SOLUTION™)	2.94	1.12
GOLD CREW® SPILL CLEANUP AGENT (see GOLD CREW® TC)	5.65	4.25
GOLD CREW SW	6.34	2.70

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)
GOLD CREW® TC	5.65	4.25
GOLD CREW® TRAFFIC COLLISION (see GOLD CREW® TC)	5.65	4.25
GREEN BEAST OIL SPILL & ODOR REMEDIATOR	7.15	2.24
GREEN BEAST WASHING AGENT (see GREEN BEAST OIL SPILL & ODOR REMEDIATOR)	7.15	2.24
GREEN TECHNOLOGIES SOLUTIONS- OIL RECOVERY (GTS-OR)	5.77	2.18
HEAVY DUTY DEGREASER CONCENTRATE (see WATER WORKS™ HEAVY DUTY DEGREASER CONCENTRATE)	14.60	2.27
HYDRO-CLEAN™ (see EPA OIL FIELD SOLUTION™)	2.94	1.12
JEP-MARINE CLEAN	3.58	2.32
MARINE GREEN CLEAN™	34.00	45.00
MARINE GREEN CLEAN PLUS™	30.00	32.00
NALE-IT	3.82	1.84
NATURAMA G3 A-5	3.68	2.24
NATURE'S WAY HS	3.91	1.07
NOKOMIS 5-W	3.07	2.24
NONTOX™ SURFACE WASHING AGENT	3.29	2.19
OIL SPILL CLEANUP (see G-CLEAN OSC-1809)	6.05	2.51
OSR-10	16.00	4.77
PETRO-CLEAN	115.00	105.00
PETROMAX PSC 3	1.99	1.00

Product	Toxicity (LC50 in ppm) 1:10 Product-to-No. 2 Fuel Oil Test	
	Menidia (96-hr)	Mysidopsis (48-hr)
PETROMAX SOIL CLEANING AND WASHING AGENT (see PETROMAX PSC 3)	1.99	1.00
PETROTECH 25	3.40	1.00
PREMIER 99	8.20	2.50
PROCLEANS	4.78	11.68
RHAMNOWASH 10	13.70	2.15
SC-1000™	4.72	2.13
SAFE KLEEN	2.60	6.50
SANDKLENE 950	4.48	2.24
SHEEN-MAGIC®	7.82	5.75
SIMPLE GREEN®	8.30	4.40
SIMPLE GREEN® 2013 Reformulation	28.50	5.05
SOC 10	6.31	2.24
SPILLCLEAN	3.30	1.30
SPILLCLEAN ["Concentrate"] (see SPILLCLEAN)	3.30	1.30
SUPERALL #38 (see TOPSALL #30)	4.60	5.00
TOPSALL #30	4.60	5.00
TULXA	6.08	2.24
TXCHEM HE-100™	7.07	2.11
VERU-SOLVE™ MARINE 200 HP	10.67	2.51
WATER WORKS™ HEAVY DUTY DEGREASER CONCENTRATE	14.60	2.27
X4JH2000	18.59	2.07

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