

## MSA for Soil Remediation

Many Superfund sites are contaminated with metals, such as cadmium, copper, lead and nickel.

Since MSA™ is a chemical intermediary, an inorganic sulfide, and can be shipped as a solid powder, it can be a good choice for a number of soil remediation applications.

Recent spiked groundwater MSA tests results are provided in the table below.

Sample	pH	ORP	Arsenic	Cadmium	Copper
	SU	mV	ug/L	ug/L	ug/L
Spiked Groundwater	7.15	NM	8750	8730	8660
Control					
Rep 1	7.1	211	4790	4940	445
Rep 2	7.12	212	5210	4830	469
Mean	7.11	212	5000	4855	457
0.005 g/mL					
Rep 1	11.85	-570	1.3	<0.32	<3.8
Rep 2	11.95	-580	1.1	<0.32	<3.8
Mean	11.90	-575	1.2	<0.32	<3.8

Further testing indicates 0.0025 g/mL is sufficient to achieve target metals concentration.