

Soil Medic

Technical Data Sheet

Soil Medic—Organic Treatment Compound

Soil Medic works as a biological stimulator, soil restorer, toxin binder and soil decomposer. Our Soil Medic molecules are extracted from raw humic substances, purified and concentrated thus forming a highly reactive material. Soil Medic can be used as a stand-alone product or in combination with specific fertilizers and/or target-specific bacteria packages for the reduction of hydrocarbons or salts in impacted soils. Soil Medic is an excellent choice for breaking up highly compacted soils.

FEATURES AND BENEFITS:

- Highly active material both geologically and chemically designed to aid in the breakdown of organic matter
- Highly purified and reactive material
- Geologically interacts to form mineral complexes
- Chemically interacts with elements for strong metal binding
- Efficient cation/anion exchange properties
- Qualifies for OMRI certification (Organic Certification Standard)
- Can be easily combined with target specific bacteria for the remediation and removal of hydrocarbons and salts
- Improves available nitrogen, phosphorus, potassium and micro-nutrients for plants
- Stimulates beneficial microbial activity in soils
- Breaks up clays and compacted soils
- Increases water retention in soils
- Increases soil potential and fertility
- Works below the soil building to create a larger root mass and transport system for vital nutrients
- Enhances the breakdown of plant residues
- Improves potential yield and quality
- Helps to release “locked-up” fertilizers thus making them immediately available to the plant

TYPICAL PHYSICAL PROPERTIES:

| | |
|----------------------|-------------------|
| Appearance and Color | Dark Brown Liquid |
| Initial Freeze Point | No Data Available |
| Odor | Earthy Odor |
| Solubility in Water | 99% |
| Melting Point | No Data Available |
| Flashpoint | N/A |
| Specific Gravity | 1.02 ± .04 |

APPLICATION:

Mix 1/2 – 5 gallons in a minimum 15 gallons of water per acre based on the severity of your application. Apply directly to the soil. Always conduct a soil test to determine nutrient levels and make needed amendments to assure good fertility levels in your soil. Soil Medic is compatible with many agricultural chemicals but is not guaranteed to be so. When tank mixing with other chemicals, always read and follow the label directions of the chemical(s) you are considering. A jar and/or strip before use is always suggested.



Soil Medic works below the surface to build healthier soils!

PACKAGING:

Soil Medic is packaged in 5 gallon to 275 gallon containers. Bulk quantities are available upon request.

Before Treatment



After Treatment

Recommendations given in this data sheet are based on tests believed to be reliable. However, the use of the information is beyond the control of Heartland Energy Group, Ltd. and no guarantee, expressed or implied is made to the results obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage from the misuse of the product as such, or in combination with other materials. This bulletin is not to be taken as a license to operate under or recommendation to infringe any patent.

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