

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication standard

29 CFR 1910.1200. Standard must be consulted for specific requirements.

**U.S Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form Form Approved  
OMB No. 1218-0072)



IDENTITY <i>(As Used on Label and List)</i> <b>Armorex</b>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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**Section I**

Manufacturer's Name Soil Technologies Corp.	Emergency Telephone Number 641-472-3963
Address <i>(Number, City, State, and ZIP Code)</i> 2103 185 <sup>th</sup> St. Fairfield. Iowa 52556	Telephone Number for Information 641-472-3963
Date Prepared November 21, 2007	Signature of Preparer <i>(optional)</i>

**Section II – Hazard Ingredients/ Identity Information / Components**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended % <i>(optional)</i>
None	None	None	None
Components: Clove oil, garlic, white pepper, sesame oil, rosemary oil, safflower oil			

**Section III – Physical/Chemical Characteristics**

Boiling Point	205 C	Specific Gravity (H <sub>2</sub> O)=1	0.950 –1.0	Vapor Pressure (mm Hg)	NDA
Melting Point	NDA	Vapor Density (AIR=1)	NDA	Evaporation Rate (Butyl Acetate =1)	NDA
Solubility in Water	100% Soluble	Appearance and Odor Lemon / pungent odor. Golden color			

**Section IV – Fire and Explosion Hazard Data**

Flash Point (Clos4ed Up)	Above 525 F	Flammable Limits	Not flammable	LEL	UEL
Extinguish Media	Determined by surrounding fire. Use foam, CO2, or dry chemical.				
Special Fire Fighting Procedures	None.				
Unusual Fire and Explosion Hazard	Avoid heat,heat sparks, open fire				

**Section V – Reactivity Data (Armorex Page 2)**

<b>Stability</b>	Unstable	Stable	Conditions to Avoid	Incompatibility ( <i>Materials to Avoid</i> )
		X	None	Strong oxidizing agents
Hazardous Decomposition or Byproducts			Carbon dioxide, Carbon monoxide and smoke on combustion	
Hazardous Polymerization		May Occur	Will Not Occur	Conditions to Avoid
			X	None

**Section VI – Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?	Health Hazard ( <i>Acute and Chronic</i> )
	Yes	Yes	Yes	Skin,eye,nose,throat irritation
Carcinogenicity:	NTP?	IARC Monographs		OSHA Regulated?
No	No data	No data		No
Signs and Symptoms of Exposure Skin and respiratory irritation		Medical Conditions Generally Aggravated by Exposure None known		
Emergency and First Aid Procedures <b>Ingestion</b> – Drink plenty of water. Do not induce vomiting. Seek medical advice if irritation persists. <b>Skin</b> -Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation persists see physician. <b>Eye contact</b> –Remove contact lenses. Flush with plenty of water for 15 minutes. If irritation persists see physician.				

**Section VII – Precaution for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled	This material will be slippery on hard surfaces. Small spills can be flushed with soapy water or absorbed by dirt, sand or other suitable absorbents for disposal. Large spills can be diked with earth, then be pumped to a tank for disposal.		
Waste Disposal Method	Biodegradable –follow city, county, state, and federal approved means of disposal.		
Precaution to Be Taken in Handling and Storage	Store to avoid light and extremes of heat and cold, reseal container after use.		
Other Precautions	None		

**Section VIII – Control Measures**

Respiratory Protection ( <i>Specify Type</i> )				
Use a NIOSH approved organic respirator				
Ventilation	Local Exhaust	Special	Mechanical ( <i>General</i> )	Other
General	None	None	None	None
Protective Gloves		Eye Protection	Other Protective Clothing or Equipment	
Yes		Standard	Standard	
Work Hygienic Practices				
Wash after applying				