



MATERIAL SAFETY DATA SHEET



Product Identity	John and Bob's Soil Optimizer	Emergency Telephone	559.291.4419
Manufacturer's Name	John and Bob's Corporation	Telephone for Information	559.291.4419
Address	3661 N Highland Avenue, Clovis, CA 93619	Date Prepared	January 1, 2003

SECTION II - Hazardous Ingredients / Identity Information

Hazardous Components	Phenolic Hydrocarbons: fulvic/humic acids	OSHA PEL	ACGIH	OTHER LIMITS	%
		N / A	N / A	N / A	

SECTION III - Physical / Chemical Characteristics

Boiling Point	N / A	Specific Gravity (H2O = 1)	0.064
Vapor Pressure (mm Hg)	N / A	Melting	> 300° C
Vapor Density (AIR = 1)	N / A	Evaporation Rate (Butyl Acetate = 1)	N / A
Solubility in Water	Insoluble		
Appearance	Granular - Various shades & hues of brown		

SECTION IV - Fire and Explosion Hazard Data

Flash Point	N / D	Flammable Limits	LEL	UEL
			N / A	N / A
Extinguishing Media	Water Fog, Foam, Dry Chemical, CO2			
Special Fire Fighting Procedures	None			

SECTION V - Reactivity Data

Stability	Stable
Incompatibility	None
Hazardous Decomposition Byproducts	At extreme temperatures, CO an oxidation product may be evolved.
Hazardous Polymerization	Will not occur

SECTION VI - Health Hazard Data

Routes of Entry	If in dust form / Possible slight irritation / Slight Hazard			
Health Hazards	No LD5 (oral, dermal, inhaled) have been determined virtually nontoxic			
Carcinogenicity	Materials in this product are not considered carcinogens or teratogens			
Signs and Symptoms of Exposure	Possible stomach disorders if taken orally, lung congestion if breathed			
Medical Conditions Generally Aggravated	None known			
Emergency and First Aid Procedures	Eyes - flush with water for 15 minutes	Skin - wash with soap and water	Inhaled - remove to fresh air	Oral - get medical care



SECTION VII- Precautions for Safe Handling and Use

Small spills should be picked up with a broom and dustpan. Large spills should be vacuumed or shoveled into suitable containers for disposal or reclamation.

Waste Disposal	Check applicable local rules
Precautions for Handling and Storage	Persons handling product should use proper protective equipment and handle with care. Containers should be stored in a cool dry area to minimize product expansion and possible leakage
Other Precautions	None considered necessary

SECTION VIII - Control Measures

Respiratory Protection	Not considered necessary
Ventilation	Natural ventilation is usually adequate
Protective Gloves	Rubber or plastic
Eye Protection	Chemical goggles
Other Protective Clothing or Equipment	Eye bath, shower, oxygen mask should be available
Work Hygienic Practices	Wash hands and clothing after handling product