

MATERIAL SAFETY DATA SHEET

PRODUCT: OP-Port (Microbial Culture) INFORMATION

SECTION I

Manufacturer's Name: Southland Organics
Address: PO Box 82366
Athens, GA 30608
Emergency Telephone: (912) 489-3909
Information Telephone: (706) 478-7508

Date Prepared: 2/1/00

SECTION II INGREDIENTS/IDENTITY INFORMATION

Hazardous Ingredients: None

Components: Viable bacterial cultures (largely water)(>5%). CAS#7732-18-5.
Ingredients not precisely identified are nonhazardous & Proprietary.
All chemical ingredients appear on the EPA TSCA Inventory.
Values are not product specifications.
The above ingredients have been added to a non-hazardous liquid organic media as a carrier and microbial stimulant.

OSHA PEL: None
ACGIH TLV: N/A
Other Limits: None
%(optional) N/A

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boling Point:	100 C	Specific Gravity:	1.04 approx.
Vapor Pressure:	Equivalent to water	Melting Point:	N/A
Vapor Density:	Equivalent to water	Evaporation Rate:	N/D
Solubility in Water:	99%	HIMS:	Health-1
Appearance & Odor:	Brown/Black liquid		Fire-0
	Earthy odor		Reactivity-0
PH:	Range 6.5 to 8.0		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point:	N/A	Flammable Limits:	N/A
LEL:	N/A	UEL:	N/A
Extinguishing Media:	None		
Special Fire Fighting Procedures:	N/D		
Unusual Fire & Explosion Hazards:	N/A		
Fire & Explosion Hazard Summary:	Not considered to be a fire hazard.		

N/A = Not applicable N/D = Not determined

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SECTION V REACTIVITY DATA

Stability: (Unstable/Stable)

Conditions to Avoid:

Incompatibility:

(materials to avoid)

Hazardous Decomposition or

Byproducts:

Hazardous Polymerization:

(May occur. Will not occur)

Stable under normal conditions.

Strong acids or alkali compounds may inactivate bio cultures.

Strong acids or alkali compounds.

N/A

Will not occur.

This is a non-toxic, nonpathogenic mixture of bacteria in a liquid media.

SECTION VI HEALTH HAZARD DATA

Route(s) of Entry:

Inhalation-

Skin-

Ingestion-

Health Hazards:

(Acute & Chronic)

Carcinogenicity:

NTP-

IARC Monographs-

OSHA Regulated-

Signs & Symptoms of Exposure:

Will not occur.

Prolonged contact may cause slight irritation.

May cause sickness.

None Known

N/A

N/A

N/A

N/A

Ingestion: No effect if ingested in small amounts.

A single dose of this product is rarely toxic by ingestion. Irritation of the mouth, pharynx, esophagus and stomach can develop.

Eyes: This material may cause eye irritation.

Organisms used are non-pathogenic but can cause infection when in contact with open wounds and are susceptible to many commonly-used antibiotics.

Skin: Slight redness on hands and forearms if individual has a history of dermal allergic reactions. Dermatitis and skin sensitization can develop after repeated and/or prolonged contact.

May cause infection if in contact with open wounds.

Medical Conditions Generally

Aggravated by Exposure:

Emergency & First Aid

Procedures:

Ingestion: Call poison control center.

Eyes: Immediately flush with water for 15 minutes.

Seek medical attention if irritation persists.

Skin: Remove contaminated clothing and footwear.

Wash with soap and water.

N/A = Not applicable

N/D = Not determined

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SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case
material is released or spilled:

Flush spilled materials into sanitary or storm sewers.
Use chemical absorbent and sweep up small spills.
Contain and collect large spills.

Waste and Disposal Method:

Dispose of in accordance with federal, state, and local regulations.

Precautions to be taken in
Handling and Storing:

Minimize exposure in accordance with good hygiene practice. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110 F and keep from freezing.

Other Precautions:

Keep out of reach of children.

SECTION VIII CONTROL MEASURES

Respiratory Protection (Specify Type)

None required for recommended use. Avoid creating aerosols in poorly ventilated areas.

Ventilation: Local Exhaust-

Normal

Mechanical-

N/A

general

Special-

None

Other-

None

Protective Gloves:

Rubber gloves not necessary but recommended.

Eye Protection:

Safety glasses not necessary but recommended.

Other Protective Clothing or Equipment:

As determined.

Work/Hygienic Practices:

Normal

N/A = Not applicable N/D = Not determined

All information contained in this MSDS is believed to be accurate based on the information available at this time. No warranties, expressed or implied, are made.