

# MATERIAL SAFETY DATA SHEET

## MICRO D 1000

### SECTION I - IDENTIFICATION OF MATERIAL

Name of Composition	MICRO D-1000; CHOLECALCIFEROL; ACTIVATED 7-DEHYDROCHOLESTEROL
Chemical Family	Sterol
Molecular Formula	C <sub>27</sub> H <sub>44</sub> O

### SECTION II - SIGNIFICANT COMPONENTS AND CONTAMINANTS

CAS NO.	COMPONENT	PERCENT	PERMISSIBLE EXPOSURE LIMIT	SHORT TERM EXPOSURE LIMIT	RTECS NUMBER
67-97-0	Cholecalciferol (Activated 7-dehydrocholesterol)	4.0			VS 2900000
128370	BHT (Butylated hydroxy toluene)	3	(TWA) 10 g/M <sup>3</sup>		GO 78750
	Edible Soybean Oil	5	Non-toxic	LD <sub>50</sub> >30 g/kg	
	Water	3	Non-Toxic		
	Modified Edible Starch	84	Non-Toxic		

### SECTION III - PHYSICAL DATA

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Pale yellow, dry free flowing granular solid	N/A	0.50 g/mL
Vapor Pressure (mm of Hg)	Freezing Point	pH
N/A	N/A	N/A
Vapor Density (Air = 1)		Solubility in Water
N/A		ca. 85% soluble

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point	Flammable (Explosive) Limits (Percent by Volume)	
	Lower Explosive Limit	Upper Explosive Limit
N/A	N/A	N/A

*Fire Extinguishing Media:* N/A

*Special Fire Fighting Procedure:* N/A

*Unusual Fire and Explosion Hazards:* None.

### SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE	Acute
	Toxic only by massive ingestion; no reliable limits established.
	Chronic
Toxic only by prolonged ingestion of > 50,000 IU/day.	

*Emergency and First Aid Procedures:* N/A

**SECTION VI - REACTIVITY DATA**

**General Reactivity:** Unreactive; decomposition to inactive products exacerbated by heat and light.

**Incompatibility (Materials to Avoid):** None.

**Hazardous Decomposition Products:** None.

**Hazardous Polymerization:** Does not polymerize.

**Conditions to Avoid:** Prolonged exposure to extremes of heat and light.

**SECTION VII - SPILL PROCEDURES/DISPOSAL REQUIREMENTS**

**Steps To Be Taken In Case Material Is Released Or Spilled:** Vacuum spilled material; transfer to heavy paper bag.

**Waste Disposal Method:** Bury in approved landfill or incinerate; Product is biodegradable.

**Container Disposal:** Bury in approved landfill or incinerate; Product is biodegradable.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

Eye Protection	Gloves
No special requirements.	No special requirements.
Respiratory	Ventilation
Avoid breathing dust; wear disposable filter mask when handling.	No special requirements.

**SECTION IX - SPECIAL PRECAUTIONS**

**Storage Requirements:** Store in cool, dry location in plastic bags in cardboard boxes.

**Material of Construction:** Cardboard boxes with poly liners.

**Labeling:** No special labeling required.

**SECTION X - SHIPPING REGULATIONS (D.O.T. NOMENCLATURE)**

Proper Shipping Name		
Generally regarded as safe (GRAS 21CFR 582.5953)-does not fall under D.O.T.regulations.		
Hazard Class	Type of Packaging	Label
N/A	N/A	N/A
Placard	Marking	Exemptions
N/A	N/A	Exempt from D.O.T. regulations.

**SECTION XI - NOTES**